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IF *you*
want to be
a **TEACHER**

Teacher education

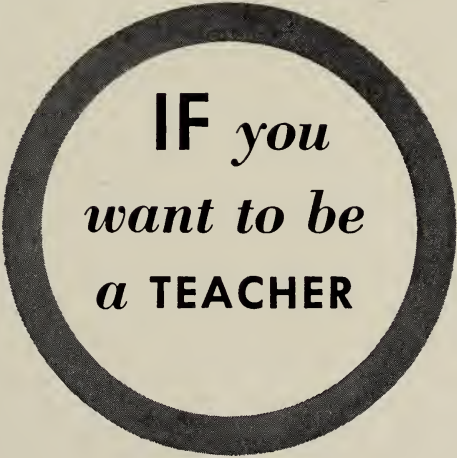


UNIVERSITY OF ILLINOIS BULLETIN

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TEACHER EDUCATION PROGRAMS
at the University of Illinois



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IF YOU WANT TO BE A TEACHER

"A teacher affects eternity: he can never tell where his influence stops." Those are words of Henry Adams. Your decision to become a teacher is a serious and important one.

This booklet is to help you answer your questions about teaching and to give you a picture of how teacher training is conducted on the Urbana and Navy Pier campuses of the University of Illinois.

You can take teacher training both at the undergraduate and at the graduate level in most of the major fields offered by the University. You might become a secondary school teacher, librarian, supervisor, or administrator. As a secondary school teacher, you might be prepared to teach agriculture, art, biology, chemistry, commerce, English, French, general science, geography, German, home economics, industrial education, journalism, Latin, mathematics, music, physical education, physics, social studies, Spanish, or speech or you might also be prepared to teach speech correction, to teach the deaf and hard of hearing, or to teach the mentally handicapped. You might become an elementary teacher, although the number of elementary teachers trained at the University of Illinois is limited, or you might study at the graduate level for other educational jobs such as counselor, librarian, principal, supervisor, or superintendent.

WHO SHOULD BE A TEACHER?

Choosing your life work is a difficult problem. Before you select teaching as a profession, you should consider its satisfactions and possibilities for contribution to society. Although teaching might appeal to anyone who is interested in working with people, there are some basic qualities which you should have to be a good teacher.

You should *like and understand children*. You must see them as fellow human beings to be worked with patiently as they grow and develop. The effectiveness of your teaching is often measured by the future success of your students.

You should *have an inquiring mind* and want to help others develop one. You should get a thrill from seeing children become excited as they discover things about themselves and the world they live in.

You should *like to work with other people*. You should be able to get along with students, other teachers, principals and supervisors, parents, and others in the community. You should want to participate in community activities.

You should *have self-control*, be able to face problems calmly, and keep your emotions well-disciplined.

You should *know your subject matter* and know how it may become a part of the personality of your students. You should keep up to date in your teaching and continue to develop your understanding of human nature.

You should *be willing to work hard*. Teaching is not an easy job. There are papers to correct, meetings to attend, extracurricular activities to sponsor, conferences to be held—all of which require time and energy. Although there may be more vacation days than in some other jobs, there are many days when the hours will be long.

You should *believe in the importance of teaching as a profession*. You have to feel that everyone is worth helping and that teaching can help individuals and improve society.

YOUR OPPORTUNITIES IN TEACHING

A career in teaching offers great opportunities. Public education is a big business; there are nearly a million public school teachers in the United States. And the profession is expanding. The country will need more than a million additional teachers before 1962. The state of Illinois, alone, needs 5000 new teachers annually.

Better economic and social conditions for teachers, as well as new methods of education, are making the profession more attractive.

Of course, there will be some areas of teaching that will be crowded, but during your training you will be informed of any changing conditions. Some fields have particular need for teachers at the present time—elementary teaching, instruction of handicapped, vocational teaching, school library work, and guidance and counseling work.

Schools operate regardless of changes in the business cycle. In addition, more than three-fourths of the states now have tenure laws guaranteeing continued employment so long as the teacher's work is satisfactory. In Illinois, for example, all teachers have tenure rights after a two-year probationary period. Most states also have retirement plans and disability provisions for teachers. As a teacher, you will have a security which many jobs do not offer.

During the last few years, there have been improvements in pay for teachers. Although some of this has been offset by increased costs of living, the gains are probably permanent. In the past, teachers' salaries have not dropped during business recessions as rapidly as have salaries in other professions. Last year the average salary for public school teachers was \$2200. Many places have set minimum starting salaries at \$2400 or higher, with experienced teachers receiving much more.

One of the great advantages of the teaching profession is the amount of

vacation time. This includes not only the summer period of three months, but also vacations at Thanksgiving, Christmas, and Easter. This free time will give you opportunities for advanced study, writing, research, travel, or other interests.

Teachers often expand their professional experiences through participation at conferences and clinics, preparation of course material and writing and editing textbooks, research, presenting talks and addresses, and many other related activities.

If you want further information about the teaching profession, you will find the following publications helpful:

Evans, Eva Knox, *So You're Going to Teach*, Julius Rosenwald Fund Publication, 4901 Ellis Avenue, Chicago.

Frazier, Benjamin W., *Teaching as a Career*, Federal Security Agency, Office of Education, Bulletin 1947, No. 11. United States Government Printing Office, Washington 25, D.C.

Houle, Cyril O., *Teaching as a Career*, Occupational Monograph No. 5, Science Research Associates Publication, 1700 Prairie Avenue, Chicago.

Phelps, William Lyon, *The Excitement of Teaching*, Horace Liveright, Inc., New York.

Simon, Henry William, *Preface to Teaching*, Oxford University Press, New York—Toronto—London.

Looking Into Teaching, College of Education, Ohio State University Publication, Columbus, Ohio.

School and College Librarianships as a Career, The Institute for Research, 537 South Dearborn Street, Chicago.

Teaching as a Man's Job, Phi Delta Kappa Publication, Homewood, Illinois.

What of Teaching, publication of the six state-supported colleges and universities of Illinois.

You'd Like Teaching, Central Washington College of Education Publication, Ellensburg, Washington.

NEW DEVELOPMENTS IN EDUCATION

A number of innovations and changes which may affect your future in education are being put into effect in some areas.

In teacher-training programs:

A five-year minimum education program for each teacher, before he begins teaching is now required in some states.

Off-campus, full-time student teaching for six or more weeks.

Participatory work with youth, such as summer camp counseling, recreation groups, etc., prior to student teaching.

Coordination of services to teacher-training students including selection, retention, instructional program counseling, and placement.

Follow-up training for new teachers by the training institutions.

In primary and secondary programs:

Eleven-month operation of schools, emphasizing broad curricula.

The aim of these changes is to raise the standards of the teaching profession and to give a better and richer education to primary and secondary students.

YOUR PROFESSIONAL TRAINING

You should decide as soon as possible whether or not you will become a teacher. During your first two years at Illinois, you can get help and advice from teacher-training advisers and counselors in the Student Counseling Bureau.

Most of the planning of your courses will be through conferences with your adviser, to whom you will be assigned when you register in teacher training. Each curriculum has been set up to include certification and graduation requirements, and to provide flexibility in choosing electives.

Of the required studies, the course, The American Public School System, covers the structural organization of education and the social issues in the development of education. Educational Psychology gives an understanding of childhood, adolescence, and of growth and development. Principles of Education deals with the theoretical side of teaching and is designed to develop social understanding and to point out the relations between education and social realities.

During one semester of your senior year you will take Student Teaching (open only to teacher-training students) and a related Technic of Teaching course. Some of the curricula, such as vocational agriculture, music, and physical education, which demand certain specialized work have specialized methods courses to cover the different conditions of teaching in these fields.

In the following pages, you will find lists of high school and junior college subjects listed under each college or department in which you may prepare as a teacher. Suggested curricula, as well as requirements for admission are presented.

IF YOU WANT TO BE A TEACHER

You will have to complete these five steps in order to be a teacher:

1. Graduate from high school (see below).
2. Gain admittance to college (see below).
3. Go to college four or five years and take a teacher-training curriculum (see below).
4. Obtain a teaching certificate (see page 79).
5. Locate a teaching position (see page 81).

Each of these steps is discussed in subsequent pages of this bulletin. This material should help you develop a personal plan for the next few years.

Step 1. Graduate from High School

Both in order to gain admittance to the University of Illinois and to secure a teaching certificate, you must be a high school graduate.

Step 2. Gain Admittance to College

Detailed admission requirements are contained in the Catalog of the University of Illinois, a copy of which may be obtained from your school library or by writing to the Director of Admissions and Records, University of Illinois, Urbana, Illinois.

High school subjects to be taken before admittance to the teacher-training programs are shown in the table on page 10.

Step 3. Select a Teacher-Training Curriculum

One of the decisions you will have to make relates to the specific subjects for which you wish to prepare to teach. You will notice under each curriculum a list of desirable teaching combinations. It is necessary to be prepared in at least one minor subject in addition to your major area of interest. You will, of course, need to consider carefully your own interests and abilities. Your experiences with these subjects in high school should be valuable in helping you decide.



Girls at play in a Physical Education class

REQUIRED AND RECOMMENDED SUBJECTS FOR ADMISSION TO THE TEACHER-TRAINING PROGRAMS

COLLEGES AND SCHOOLS	SUBJECTS REQUIRED FOR ADMISSION	SUBJECTS RECOMMENDED FOR ADMISSION
Liberal Arts and Sciences Teacher-Training Curricula: English, French, German, Latin, Social Studies, Spanish, Speech, Speech Cor- rection Teacher-Training Curricula: Biology, Chemistry, Geography, Math- ematics, Mathematics and the Physical Sciences, Physics	English, 3 units ¹ Language, 2 units ² English, 3 units ¹ Language, 2 units ² Algebra, 1 unit Geometry, 1 unit	Language, 3 units in one language, instead of the required 2 units Science, 2 units (including biology) Social Studies, 2 units Mathematics, 3 units, in- stead of the required 2 units Science, 2 units (including physics or chemistry or both) Social Studies, 2 units
College of Agriculture Teacher-Training Curricula: Agriculture Home Economics	English, 3 units ¹ Algebra, 1 unit Geometry, 1 unit	Mathematics, 3 units in- stead of the required 2 units Science, 2 units (including physics) Social Studies, 2 units
College of Commerce Commercial Teaching	English, 3 units ¹ Algebra, 1 unit Geometry, 1 unit	Advanced algebra, ½ unit Science, 2 units (including 1 unit with laboratory)
College of Education Industrial Education Curriculum Curriculum Preparatory to Teaching Deaf and Hard of Hearing Children	English, 3 units ¹ Algebra, 1 unit Geometry, 1 unit English, 3 units ¹ Algebra, 1 unit Geometry, 1 unit	Industrial arts, 2 units Science, 2 units (including physics or chemistry or both) Social Studies, 2 units Language, 2 units ² Science, 2 units

¹ English — Only courses in the history and appreciation of literature, and in composition (including oral composition when given as a part of a basic English course), and grammar will count toward the three units in English required as a major for admission to all curricula. Four units in English, while not required for any curriculum, are recommended by all colleges and schools.

² Language — The foreign language requirement for admission to any curriculum is fulfilled by two units in any one of the following: German, French, Spanish, Italian, Latin, Greek. For some curricula three units in one language are recommended, and for some it is advantageous to have four units in one language or a combination of languages. Less than one unit in a language is not acceptable for admission.

COLLEGES AND SCHOOLS	SUBJECTS REQUIRED FOR ADMISSION	SUBJECTS RECOMMENDED FOR ADMISSION
Curriculum Preparatory to Teaching Mentally Handicapped Children Other curricula require junior standing in the University.	English, 3 units Algebra, 1 unit Geometry, 1 unit	Language, 2 units Science, 2 units
College of Fine and Applied Arts Teacher-Training Curricula: Art Education Music Education	English, 3 units ¹ Language, 2 units ² English, 3 units ¹ Language, 2 units ² Music (individual examination required) ³	Freehand drawing, 1 unit Language, 3 units in one language, instead of the required 2 units Social Studies, 2 units Music, 1 unit and addi- tional private study for two years Science, 1 unit (with lab- oratory) Social Studies, 2 units
School of Physical Education Teacher-Training Curricula: Curriculum in P.E. for Men Curriculum in P.E. for Women Curriculum in Health Education	English, 3 units ¹	Science, 3 units (including biology) Social Studies, 2 units Health and safety educa- tion, and participation in school programs of physical education and athletics
Library School	The units required or recommended by any college in which the student expects to enter as a freshman. Junior standing re- quired for entrance into the Library School.	

¹ English — Only courses in the history and appreciation of literature, and in composition (including oral composition when given as a part of a basic English course), and grammar will count toward the three units in English required as a major for admission to all curricula. Four units in English, while not required for any curriculum, are recommended by all colleges and schools.

² Language — The foreign language requirement for admission to any curriculum is fulfilled by two units in any one of the following: German, French, Spanish, Italian, Latin, Greek. For some curricula three units in one language are recommended, and for some it is advantageous to have four units in one language or a combination of languages. Less than one unit in a language is not acceptable for admission.

³ Music Examination — Each applicant for admission to the School of Music is required to take an individual examination for the purpose of demonstrating that he is qualified and has sufficient knowledge of music to enter courses in applied music. No entrance credit is allowed for this examination.

COLLEGE OF AGRICULTURE

Curriculum in General Agriculture with Major for Teachers of Vocational Agriculture

For the Degree of Bachelor of Science in Agriculture from the College of Agriculture

The purpose of this Curriculum is to train young men to teach agriculture in high schools having departments of vocational agriculture. In addition to the training outlined in this curriculum, the present Illinois State Plan for Teachers of Vocational Agriculture calls for a minimum of two years of practical experience on the farm after reaching the age of sixteen.

A minimum of 130 hours of credit, counting the first two years in military science and physical education, as outlined below, is required for graduation. While students are advised to take courses in the order indicated, they may, with the approval of their advisers, take courses at another time.

Students who complete this curriculum will possess a teaching minor in the biological sciences and are also qualified to teach general science.



Vocational Agriculture Instructor working with his student

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Bot. 105—Botany for Students in Agriculture.....	3	Chem. 101 or 102—General Chemistry.....	5 or 3
Hygiene 102 or 105—Personal and Environmental Hygiene.....	2	Rhet. 102—Rhetoric and Composition...3	
Rhet. 101—Rhetoric and Composition...3		Zool. 104—Zoology-Botany Sequence...4	
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
Two Courses from Group I.....	6	One Course from Group I.....	3 or 4
<i>Total</i>	16	<i>Total</i>	15 to 18

Second Year

Agr. Eng. 111—Farm Structures and Soil and Water Conservation; <i>or</i> Agr. Eng. 112—Tractors and Field Machinery.....	3	Agr. Eng. 111—Farm Structures and Soil and Water Conservation; <i>or</i> Agr. Eng. 112—Tractors and Field Machinery.....	3
Geol. 105—Agricultural Geology.....	3	Agron. 201—Soils.....	5
Chem. 132—Elementary Organic Chemistry.....	3	Econ. 108—Elements of Economics...3	
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
Two Courses from Group I.....	6	One Course from Group I.....	3
<i>Total</i>	17	<i>Total</i>	16

Third Year

Ed. 100—The American Public School...2		Agr. Econ. 120—Farm Management...3	
Psych. 100—Introduction to Psychology.....	4	Hist. 152—History of the U. S., 1828-1950.....	3
Speech 101—Principles of Effective Speaking.....	3	Ed. 109—Educational Psychology.....	3
One Course from Group I.....	3	Agricultural Electives.....	6 to 9
Agricultural Electives.....	3 to 6		
<i>Total</i>	15 to 18	<i>Total</i>	15 to 18

Fourth Year

Semesters interchangeable. Courses taken with practice teaching will be offered during a ten-week period.

Agr. Ed. 276—Practice in Agricultural Education.....	5	Pol. Sci. 150—American Government: Organization and Powers.....	3
Agr. Ed. 277—Programs and Procedures in Agricultural Education...5		Electives (including 2 hours of humanities) ²	11 to 17
Ed. 240—Principles of Secondary Education.....	3		
Agr. Eng. 201—Farm Shop Work; <i>or</i> D.P. 204—Dairy Production; ¹ <i>or</i> other Agricultural Electives.....	2 to 3		
<i>Total</i>	15 to 16	<i>Total</i>	14 to 20

¹ Dairy Production 204 is offered in the second semester only.

² A total of six hours of humanities is necessary for certification.

GROUP I: Courses in agriculture required of all students in the general agriculture curriculum courses (total 21 to 22 semester hours).

COURSES	HOURS
Agr. Econ. 100—Introductory Agricultural Economics.....	3
Agron. 121—Crop Production.....	4
An. Sci. 101—Introduction to Animal Science.....	3
An. Sci. 102—Principles of Feeding.....	3
D.P. 100—Introduction to Dairy Production.....	3
Forestry 101—General Forestry; <i>or</i> Forestry 102—Farm Forestry; <i>or</i> Hort. 142—Introductory Vegetable Crops.....	2 or 3
Hort. 161—Introductory Pomology and Ornamental Gardening....	3
<i>Total</i>	21 or 22

Fifth Year

For the Degree of Master of Science in Agricultural Education

FIRST SEMESTER	UNITS	SECOND SEMESTER	UNITS
Agricultural Courses with Graduate Credit.....	2	Agricultural Courses with Graduate Credit.....	2
Ed. 409—Advanced Educational Psychology.....	1	Ed. 400—Philosophy of Education; <i>or</i> Ed. 302—History of American Education.....	1
Electives.....	1	Electives.....	1
<i>Total</i>	4	<i>Total</i>	4

Curriculum in Vocational Home Economics Education

For the Degree of Bachelor of Science in Home Economics Education

The purpose of this curriculum is to prepare young women to teach home economics in junior high schools, senior high schools, and junior colleges. Secondary school courses taught include composite courses in general home making, and courses in foods and nutrition, clothing and textiles, home and family living, home management and housing.

A minimum of 124 hours of credit, not counting the first two years of work in physical education, is required. The courses below total more than 124 hours but represent a typical load of sixteen to eighteen hours each semester. Students are required to complete one teaching minor consisting of a minimum of sixteen semester hours.

The arrangement of courses below is recommended. With the approval of their advisers, students may take courses at another time.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Home Econ. 130—Introduction to Foods and Nutrition; <i>or</i> Hygiene 102—Personal and Environmental Hygiene.....	2	Chem. 101 or 102—General Chemistry.....	5 or 3
Home Econ. 170—Introduction to Home Economics.....	1	Home Econ. 130—Introduction to Foods and Nutrition; <i>or</i> Hygiene 102—Personal and Environmental Hygiene.....	2
Home Econ. 182—Clothing Laboratory..	2	Art 186—Design.....	2
Art 185—Design.....	2	D.G.S. 112—Verbal Communication ¹ ..	4
D.G.S. 111—Verbal Communication ¹ ..	4	Physical Education.....	1
Physical Education.....	1	Psych. 103—Human Behavior.....	4
Physiol. 103—Mammalian Physiology..	4		
<i>Total</i>	16	<i>Total</i>	16 to 18

¹ Rhetoric 101-102 — Freshman Rhetoric and Composition, and Speech 101 — Principles of Effective Speaking, may be taken instead of D.G.S. 111-112.

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Home Econ. 185—Clothing.....	2	Home Econ. 162—Home Decoration...	3
Home Econ. 161—Family Housing.....	3	Home Econ. 186—Costume Design....	2
Chem. 132—Elementary Organic Chemistry.....	3	Home Econ. 180—Selection and Care of Textiles.....	3
Hist. 152—History of the U. S., 1828-1950.....	3	Home Econ. 131—Foods.....	3
Ed. 109—Educational Psychology.....	3	Pol. Sci. 150—American Government: Organization and Powers.....	3
Physical Education.....	1	Elective ¹	3
Electives ¹	3	Physical Education.....	1
<i>Total</i>	18	<i>Total</i>	18

Third Year

Home Econ. 220—Dietetics.....	3	Home Econ. 201—The Child and His Development.....	3
Home Econ. 232—Food Economics and Meal Management.....	3	Home Econ. 202—Laboratory in Child Development.....	2
Home Econ. 286—Clothing.....	3	Home Econ. 228—Hygiene and Home Care of the Sick.....	1
Econ. 108—Elements of Economics....	3	Home Econ. 272—Organization and Management of the Home.....	3
Ed. 100—The American Public School..	2	Electives.....	9
Electives.....	4	<i>Total</i>	18
<i>Total</i>	18		

Fourth Year

Home Econ. 210—Family Relation- ships.....	3	Home Econ. 273—Home Management..	3
Bact. 104—Introductory Bacteriology..	3	Home Econ. 277—Teaching of Home Economics.....	3
Ed. 240—Principles of Secondary Education.....	3	Ed. 241—Technic of Teaching in the Secondary School.....	3
Electives.....	9	Ed. 242—Educational Practice in Secondary Education.....	5
<i>Total</i>	18	Elective.....	3
		<i>Total</i>	17

Fifth Year

For the Degree of Master of Science in Home Economics Education

I. Required Professional Courses:	UNITS
Ed. 302—History of American Education; <i>or</i> Ed. 400—Philosophy of Education.....	1
Ed. 409—Advanced Educational Psychology.....	1
Ed. 452—Curriculum Problems and Trends in Home Economics Education; <i>or</i> Home Econ. 377—Home Economics Extension (Adult Education).....	1 or ½
Ed. 453—Seminar in Home Economics Education.....	1
<i>Total</i>	3½ or 4

¹ Courses in literature and contemporary social problems are recommended as electives.

II. A total of 2 or 2½ units chosen from the following home economics courses:

	UNITS
1. Home Management:	
Home Econ. 361—Farm Home Planning in Relation to Function.....	½
Home Econ. 378-379—Problems in Home Management.....	½-1
Home Econ. 481 or 482—Seminar in Foods, Child Development, Nutrition.....	1
2. Foods and Nutrition:	
Home Econ. 320—Diet in Disease.....	½
Home Econ. 322—Physical Growth and Nutrition.....	½
Home Econ. 330—Experimental Foods.....	½
Home Econ. 331—Problems in Foods.....	½
3. Textiles and Clothing:	
Home Econ. 380—Textiles.....	½
Home Econ. 386—Clothing Design and Construction.....	1
Home Econ. 388—Problems in Textiles and Clothing.....	½
Home Econ. 395—Fashion Analysis.....	½
4. Child Development and Family Relationships:	
Home Econ. 301—Advanced Problems in Home Guidance of Children.....	½
Home Econ. 410—Problems in Family Living.....	1
Home Econ. 481 or 482—Seminar in Foods, Child Development, Nutrition.....	1
III. Electives.....	2
<i>Minimum total</i>	8

Undergraduate Minor in Home Economics

	HOURS
Home Econ. 120—Elementary Nutrition.....	2
Home Econ. 125—Introduction to Foods.....	3
Home Econ. 162—Home Decoration.....	3
Home Econ. 180—Selection and Care of Textiles.....	3
Home Econ. 182—Clothing Laboratory.....	2
Home Econ. 185—Clothing.....	2
Home Econ. 201—The Child and His Development.....	3
Home Econ. 271—Home Management.....	2
<i>Total</i>	20

An off-campus student teaching center in home economics education at Farmer City



COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Curriculum Preparatory to Commercial Teaching

For the Degree of Bachelor of Science in Commercial Teaching¹

The purpose of this curriculum is to train students as secondary school teachers of typewriting, shorthand, bookkeeping, office practice, office machines, general business training, business law, commercial geography, salesmanship, and advertising.

A minimum of 130 hours of credit, as outlined below, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
D.G.S. 111—Verbal Communication ² ...	4	D.G.S. 112—Verbal Communication ² ...	4
Sec. Tr. 101—Beginning Typewriting ³ ...	2	Sec. Tr. 102—Intermediate Typewriting ³	2
Sec. Tr. 111—Beginning Shorthand ³ ...	3	Sec. Tr. 112—Intermediate Shorthand ³	3
Accy. 101—Principles of Accounting...	3	Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
Math. 111 or 112—Algebra; or Accy. 121—Business Computations ⁴	3	Accy. 105—Accounting Procedure.....	3
Military Science (men).....	1	Math. 111, 112, or 114, or Approved Elective in Natural Science.....	3
Physical Education.....	1	Military Science (men).....	1
		Physical Education.....	1
<i>Total</i>	16 to 17	<i>Total</i>	18 to 19

Second Year

Sec. Tr. 103—Advanced Typewriting...	2	Econ. 103—Principles of Economics...	3
Sec. Tr. 113—Advanced Shorthand.....	3	Management 245—Office Management.....	3
Accy. 106—Elementary Cost Accounting.....	3	Accy. 108—Intermediate Accounting...	3
Econ. 102—Principles of Economics...	3	Psych. 100—Introduction to Psychology.....	4
Ed. 100—The American Public School...	2	Rhet. 151—Business Letter Writing...	2
Electives.....	2	Military Science (men).....	1
Military Science (men).....	1	Physical Education.....	1
Physical Education.....	1		
<i>Total</i>	16 to 17	<i>Total</i>	16 to 17

Third and Fourth Years

	HOURS
I. American literature or approved electives in other humanities.....	4
II. Education (prescribed):	
Ed. 109—Educational Psychology.....	3
Ed. 240—Principles of Secondary Education.....	3
Ed. 241—Technic of Teaching in the Secondary School.....	3
Ed. 242—Educational Practice in Secondary Education.....	5
<i>Total</i>	14

¹ Prior to graduation from this curriculum, each student is required to serve an approved internship of at least 300 hours in an office or business.

² A student may offer Rhet. 101 and 102 (6 hours) and Speech 101 (3 hours) in lieu of D.G.S. 111 and 112 (8 hours).

³ Students who have had training in shorthand and typewriting may take proficiency examinations in these subjects for credit. Shorthand and typewriting are recommended for commercial teachers, but with the permission of the Dean of the College in which the student is registered other courses in the College of Commerce and Business Administration may be substituted.

⁴ Unless the student intends to acquire a teaching minor in mathematics, he should choose business computations (Accy. 121) in preparation for teaching business arithmetic in high schools.

III. Commerce (prescribed):	HOURS
Bus. Law 201 and 202—General Principles of Business Law	6
Marketing 101—Principles of Marketing.....	3
Marketing 271—Salesmanship.....	2
Geog. 105—Introductory Economic Geography.....	3
<i>Total Prescribed in Commerce</i>	<u>14</u>
IV. Commerce (electives).....	4
V. Hist. 152—History of the United States, 1828-1950; and Pol. Sci. 150— American Government: Organization and Powers (prescribed).....	6
VI. Approved elective courses to complete teaching minors, to add new teaching minors, or for other approved courses consistent with the objectives of the program	21 to 25
<i>Total, Third and Fourth Years</i>	<u>63 to 67</u>
<i>Minimum Total for the Four-Year Curriculum</i>	130

Illinois Certification Requirements

A student who has followed the above program through the first four years will have met the Illinois certification requirements, as indicated in the following tabulation:

	UNIVERSITY REQUIREMENTS	STATE REQUIREMENTS
I. General Education.....	42 hours	35 hours
II. Commerce major (prepares for teaching short- hand, typewriting, bookkeeping, business law, distribution, general business training, com- mercial arithmetic, salesmanship, and office practice).....	51 to 54 hours	32 hours
III. Teaching minor (not required for commercial teaching in junior colleges).....	One minor	One minor
(Students preparing to teach commercial work in high schools should acquire a minor selected with approval from the following list: mathematics, English, non-historical social studies, geography, music, home economics, industrial arts, or physical education.)		

Fifth Year

For the Degree of Master of Science in Commercial Teaching

- I. *Economics*. A sufficient number of hours in approved advanced undergraduate and graduate courses in economics must be taken to bring the total credit hours in this subject to not less than 17 for the five years.
- II. *Business Organization and Operation*. A sufficient number of hours in approved advanced undergraduate and graduate courses in Business Organization and Operation must be taken to bring the total credit hours in this group of subjects to not less than 17 for the five years, including business law and excluding Accy. 121.
- III. *Accountancy*. A sufficient number of hours in approved advanced undergraduate and graduate courses in accountancy must be taken to bring the total credit hours in this subject to not less than 17 for the five years.
- IV. *Education*. Ed. 302 or 400, and 409.
- V. *Commerce*. Sufficient work must be taken in the fifth year in courses recognized for graduate credit to bring the total hours in commerce courses to not less than 60 for the five years.
- VI. *Electives*. Nine hours of approved advanced undergraduate and graduate courses having general educational value and of courses which bear directly on subjects taught in high schools.

VII. *Summary.* The requirements of I through V can be satisfied with a minimum of 23 hours of credit. This added to 9 hours of electives in VI gives 32 hours in the fifth year, or a minimum total of 162 hours for the five-year program.

The maximum required credit hours for electives during the third, fourth, and fifth years in commerce are as follows: business organization and operation, including business law, 6 hours; economics, 9 hours; accountancy, 5 hours.

Undergraduate Commerce Minors for Non-Commerce Students

I. Shorthand and Typewriting:

HOURS

Required:

Sec. Tr. 101, 102, 103—Beginning, Intermediate, and Advanced Typewriting.....	6
Sec. Tr. 111, 112, 113—Beginning, Intermediate, and Advanced Shorthand....	9
Rhet. 151—Business Letter Writing.....	2
Management 245—Office Organization and Management.....	3
<i>Total</i>	20

II. Bookkeeping:

Required:

Accy. 101 or 102—Principles of Accounting; and 105—Accounting Procedure; 106—Elementary Cost Accounting; and 108—Intermediate Accounting.....	11-12
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Elective:

Accy. 308—Advanced Accounting; Bus. Law 201 and 202—General Principles of Business Law; Marketing 101—Principles of Marketing; Accy. 121—Business Computations.....	4-5
<i>Minimum Total</i>	16

III. General Commerce Minor:

Required:

Accy. 101—Principles of Accounting; 105—Accounting Procedure.....	6
Bus. Law 201-202—General Principles of Business Law.....	6
Accy. 121—Business Computations.....	3
Economic or Commercial Geography.....	5
<i>Total</i>	20

COLLEGE OF EDUCATION

For the Degree of Bachelor of Science in Education

Requirements for Graduation

Each candidate for a baccalaureate degree in the College of Education must meet the general University requirements with respect to registration, residence, fees, hygiene, military science, physical education, and rhetoric, and must secure credit, with a satisfactory scholastic average, in approved courses totaling at least 120 semester hours, including the credit accepted for admission to this college, but not counting the first two years of the required work in military science and physical education.

A. Prescribed Subjects:

Twenty hours in education, including the following courses: The American Public School, 2 hours; Educational Psychology, 3 hours; Technic of Teaching in the Secondary School *or* Technic of Teaching in the Elementary School, 3 hours; a teachers' course in the subject of specialization, 2 hours; Principles of Secondary Education *or* Principles of Elementary Education, 3 hours; and Educational Practice, 5 hours. (A 3.5 average is prerequisite to Educational Practice.)

B. Subjects of Specialization:

Students must specialize in three subjects selected from the following list. Each student must complete at least 20 hours of approved courses in his first subject of specialization (except that in Agricultural Education, 47 hours, Home Economics Education, 36 hours, and Industrial Education, 33 hours must be completed). In the other subjects of specialization the student must complete at least 16 hours of approved courses. In computing the hours in the subjects of specialization, courses taken in other colleges prior to admission may be counted.

Art

Biology.—(A well-balanced program selected from Zoology, Physiology, Entomology, Botany, Bacteriology. For a first subject of specialization, 25-32 hours are required; and for a second subject of specialization, 18-22 hours are required.)

Chemistry

Civics.—(Includes Political Science and Sociology with a minimum of 8 hours in either subject.)

Commercial Subjects.—(Includes Accountancy, Business Organization and Operation, Business Law, Business Letter Writing.)

Economics

English.—(Includes courses in English Literature, American Literature, and Rhetoric.)

French

General Science.—(From 32 to 35 hours of beginning sciences for a first subject of specialization; from 20 to 25 hours for a second subject. The total should include at least one year of work in the physical sciences and one year in the biological sciences.)

Geography.—(Includes Geology.)

German

History

Home Economics

Industrial Education.—(Includes Industrial Arts.)

Journalism.—(As a second or third subject of specialization.)

Latin

Mathematics

Music

Physics.—(Includes courses in Theoretical and Applied Mechanics.)

Physiology.—(Includes Hygiene 10.)

Physical Education for Men

Physical Education for Women

Spanish

Speech.—(Minimum of sixteen hours in speech; the remainder may be English Literature and American Literature.)

¹ NOTE: All students are urged to consult the Secretary of the Appointments Committee concerning the combinations of subjects most frequently requested by the high schools of the state and the standard of preparation usually demanded.

C. Electives:

The remainder of the curriculum may be elected from courses offered by other colleges and schools in the University.

Curriculum in Art Education

(See page 31)

Curriculum Preparatory to Teaching Deaf and Hard of Hearing Children

For the Degree of Bachelor of Science in the Education of the Deaf

A minimum of 124 hours of credit, not counting the first two years of work in military science and in physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition; or D.G.S. 111—Verbal Communi- cation.....	3 or 4	Rhet. 102—Rhetoric and Composition; or D.G.S. 112—Verbal Communi- cation.....	3 or 4
D.G.S. 131—Biological Science; or Physiol. 102—Elementary Mammalian Physiology ¹	4 or 5	D.G.S. 132—Biological Science; or Physiol. 106—Physiology of the Nervous System and the Special Senses.....	4 or 3
Speech 101—Principles of Effective Speaking ²	3	Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
Electives.....	4 to 5	Electives.....	7 to 8
<i>Total</i>	15 to 19	<i>Total</i>	16 to 20

Second Year

Psych. 100—Introduction to Psychology.....	4	Ed. 100—The American Public School..	2
Pol. Sci. 150—American Government: Organization and Powers.....	3	D.G.S. 152—Social Science ³	4
D.G.S. 151—Social Science ³	4	Hist. 152—History of the U. S., 1828-1950.....	3
D.G.S. 161—Literature and Fine Arts..	4	D.G.S. 162—Literature and Fine Arts..	4
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
<i>Total</i>	16 or 17	Electives.....	2
		<i>Total</i>	16 or 17

Third Year

Ed. 109—Educational Psychology.....	3	Ed. 230—Principles of Elementary Education.....	3
Speech 301—Introduction to Phonetics..	3	Speech 375—Speech Science.....	3
Speech 385—Speech Correction.....	4	Speech 395—Audiometry and the Use of Hearing Aids.....	3
Home Econ. 201—The Child and His Development; or Psych. 216— Child Psychology.....	3	Ed. 317—Exceptional Children.....	3
Art 203—Art Education Laboratory; or Arts and Crafts Electives ⁴	2	Ed. 218—Remedial Reading in the Elementary School.....	3
Electives ⁵	2 to 3	Electives ⁵	2
<i>Total</i>	17 to 18	<i>Total</i>	17

¹ This requirement will be waived for students who have completed general zoology or an acceptable equivalent.

² Students who take D.G.S. 111 and 112 are not required to take Speech 101.

³ D.G.S. 151 and 152 will be waived for students who have completed Sociol. 100 and one additional three-hour course in sociology.

⁴ Students may satisfy this requirement by taking Industrial Education 181, Woodworking, or by taking 4 hours selected from Art 170, Home Econ. 196 or the equivalent.

⁵ Electives should be selected with consent of adviser. A maximum of 40 credits in education will be allowed toward graduation.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Ed. 309—Special Education of the Deaf (sense training, lip reading, vocabulary building, reading and language, auditory training, etc.).....	5	Ed. 320—Special Education of the Deaf (grammar for deaf, language and speech development, curriculum building, parent education, etc.).....	5
Ed. 231—Technic of Teaching in the Elementary School.....	3	Ed. 220(E)—Educational Practice in the Education of Exceptional Children.....	5
Ed. 220(D)—Educational Practice in the Education of Exceptional Children.....	2	Psych. 286—Clinical Psychology ²	3
Ed. 232—Educational Practice in Elementary Education.....	3	Electives ¹	2-3
Electives ¹	1-2		
<i>Total</i>	16-17	<i>Total</i>	15-16

Fifth Year

For the Degree of Master of Science in Education of the Deaf

One of the following prerequisites is necessary for graduate standing in this curriculum: (1) A bachelor's degree in elementary or special education (other than the education of the deaf); or (2) a bachelor's degree in education of the deaf from an accredited training center for teachers of the deaf.

The curriculum for the fifth year consists of 8 units of work to be selected from the required and elective courses. The selection of courses will be based on the student's undergraduate background.

I. Required of all students:

UNITS

Ed. 400—Philosophy of Education; <i>or</i> Ed. 302—History of American Education.....	1
Ed. 409—Advanced Educational Psychology.....	1

II. Required of students qualified under prerequisite 1:

Ed. 317—Exceptional Children.....	½
Ed. 319—Special Education of the Deaf.....	1 to 1½
Ed. 320—Special Education of the Deaf.....	1 to 2
Speech 301—Introduction to Phonetics.....	½
Speech 385—Speech Correction.....	½
Speech 395—Audiometry and the Use of Hearing Aids.....	½

III. Required of students registered under prerequisite 2:

Ed. 418—Seminar in the Education of Exceptional Children.....	1
Ed. 494—Research in Education (Acoustically Handicapped).....	1

IV. Electives (field of concentration to be selected from the following list):..

Speech 388—Speech Correction.....	½
Speech 375—Speech Science.....	½
Speech 488—Diagnosis of Speech Disorders.....	1
Speech 489—Seminar in Speech Correction.....	2
Psych. 465—Practice in Psychological Testing.....	½
Psych. 412—Advanced Child Psychology.....	1

¹ Electives should be selected with consent of adviser. A maximum of 40 hours in education will be allowed toward graduation.

² Psych. 150 or Psych. 283 may be substituted for Psych. 286.

S.W.A. 451—Psychiatric and Medical Information for Social Workers..	1
S.W.A. 452—Psychiatric and Medical Information for Social Workers..	1
Ed. 427—Seminar in Education and Vocational Guidance.....	1
Ed. 439—Seminar in Elementary Education.....	1
Ed. 438—Supervision of the Elementary School.....	1
Ed. 426—Diagnostic and Remedial Programs of the School.....	1
Ed. 425—Educational and Vocational Guidance.....	1
Ed. 443—Trends and Techniques in Curriculum Making.....	1
Ed. 440—Administration of Junior and Senior High Schools.....	1
Ed. 430—Elementary School Organization and Administration.....	1
Ed. 460—Educational Administration.....	1
Ed. 334—Child Development and Implications for Education.....	½
Ed. 381—Principles of Vocational Education.....	½
Home Econ. 201—The Child and His Development; and	
Home Econ. 202—Laboratory in Child Development.....	1
Ed. 457—Seminar in Curriculum Problems.....	1



Learning to understand language is a paramount aim in the education of deaf children. Through acoustical amplification, these educationally deaf children are "listening" to the story, "The Night Before Christmas"

CURRICULUM PREPARATORY TO TEACHING IN THE ELEMENTARY SCHOOL

For the Degree of Bachelor of Science in Elementary Education

This four-year curriculum is designed to meet the requirements for teaching in the elementary and kindergarten-primary grades of Illinois schools. A minimum of 124 semester hours, exclusive of required physical education and military science, are necessary for graduation under this curriculum. For admission requirements, consult the Dean of the College of Education.

<i>Language Arts</i>	HOURS	
*Rhetoric 101, 102 ¹ —Rhetoric and Composition	6	} 8 to 9
<i>and</i>		
*Speech 101—Principles of Effective Speaking; <i>or</i> Speech 141—Oral Interpretation of Literature	3 or 2	} 8 to 9
<i>or</i>		
*D.G.S. 111, 112—Verbal Communication	8	} 6 to 8
English 101—Introduction to Poetry; English 102—Study of the Drama . .	6	
<i>or</i>		} 6 to 8
English 111, 112—Masterpieces of English Literature	6	
<i>or</i>		} 6 to 8
English 113, 114—American Literature	6	
<i>or</i>		} 6 to 8
English 121—Chief English Writers Before 1800; English 122—Chief English Writers of 19th Century	8	
*Lib. Sci. 303—Library Materials for Children	3	} 0 to 3
Elective in Language Arts area	0 to 3	
<i>Total required</i>	20	

Natural Science

Biological Science (10 hours required)

Bot. 104—Botany-Zoology Sequence; Zool. 104—Zoology-Botany Sequence	8	} 8
<i>or</i>		
D.G.S. 131, 132—Biological Science	8	} 8
<i>or</i>		
Entom. 103—Life of Insects; Bot. 104—Botany-Zoology Sequence . . .	8	} 2
<i>or</i>		
Entom. 103—Life of Insects; Zool. 104—Zoology-Botany Sequence . . .	8	} 2
*Hygiene 102 or 105—Personal and Environmental Hygiene	2	

Physical Science (8 hours required)

D.G.S. 141, 142—Physical Science	8	} 8
<i>or</i>		
An approved sequence of eight hours from astronomy, geology, physical geography, chemistry, and physics	8	} 8
<i>Total required</i>	18	

Psychology

*Psychology 100—Introduction to Psychology	4
<i>Total required</i>	4

¹ Starred courses are required.

Social Science

*Hist. 152—History of the United States, 1865 to 1950.....	3
*Pol. Sci. 150—American Government: Organization and Powers.....	3
*Geog. 104—World Regional Geography.....	3
D.G.S. 151, 152—Social Science.....	8
<i>or</i>	
Hist. 111, 112—Modern European History.....	8
<i>or</i>	
Phil. 103—Ethics and Social Policy; Phil. 104—Philosophy of Democracy	8
<i>or</i>	
Sociol. 104, 105—Community and Society.....	8
Elective from Social Science area.....	3
<i>Total required</i>	20

Mathematics

*Math. 202—Arithmetic for Teachers.....	5
<i>Total required</i>	5

Health and Physical Education

*Required Physical Education.....	4
*P.E.W. 216—Teaching Methods and Materials in Elementary School Physical Education.....	2
<i>Total required</i>	6

Fine and Applied Arts

*Music 212—Music for Elementary Teachers.....	3
*Music 213—Music for Elementary Teachers.....	3
*Art 203—Art Education Laboratory.....	2
*Educ. 337—Art Education in Elementary School.....	3
Art 170—Recreational Crafts.....	2
<i>or</i>	
Art 115—Art Appreciation.....	3
<i>or</i>	
Art 171—Metalwork and Jewelry.....	2
<i>or</i>	
Art 173—Pottery.....	2
<i>or</i>	
Art 175—Leatherwork.....	2
<i>or</i>	
Art 177—Bookbinding.....	2
<i>Total required</i>	13 to 14

Professional

*Educ. 100—The American Public School.....	2
Educ. 236, 237—(Child Development for Elementary Teachers).....	6
*Educ. 230—Principles of Elementary Education.....	3
*Educ. 231—Technic of Teaching in the Elementary School.....	3
*Educ. 232—Educational Practice in Elementary Education.....	5
Educ. 336—(Teaching Primary Reading).....	3
Educ. 233—Development of Teaching Units in the Elementary School.....	2
<i>Total required</i>	24

¹ Starred courses are required.

<i>Electives</i> (exclusive of above area electives).....	17 to 18
Persons preparing for the kindergarten-primary certificate will be required to take the following six hours in addition to the above:	
Educ. 335—Science in the Elementary School.....	3
Educ. 235—(Social Studies in the Elementary School).....	3
<i>or</i>	
S.W.A. 221—Child Welfare.....	3
<i>Total required</i>	6

Curriculum in Home Economics Education

For the Degree of Bachelor of Science in Home Economics Education

This four-year curriculum totaling 120 semester hours, is designed to meet the requirements for certification of teachers of home economics by the State Superintendent of Public Instruction. The first two years of work in this curriculum may be taken in the College of Agriculture, or in the College of Liberal Arts and Sciences, or in any other college approved by the University. The third and fourth years may be taken in the College of Education by students who meet the requirements for admission to this college.

Summary

Those who wish to meet the requirements of the State Board for Vocational Education should see the curriculum in vocational home economics education on page 13.

	HOURS
Art 185, 186.....	4
Bacteriology 104 and/or 105 ¹	3-5
Chemistry 101 or 102, 105, 132.....	13-11
Economics 108.....	3
Education:	
<i>Vocational</i> : Ed. 100, 240, 241, 109, 381; Ed. Prac. 242; Home Econ. 277.....	22
<i>Non-Vocational</i> : Ed. 100, 240, 241, 109; Ed. Prac. 242; Home Econ. 277.....	19
History 151 or 152.....	3
Home Economics:	
<i>Vocational</i> : Home Econ. 170, 161, 162, 130, 220, 180, 272, 273, 186, 185, 286, 228, 201, 202, 131, 232.....	42
<i>Non-Vocational</i> : Home Econ. 170, 161 or 162, 130, 180, 272, 185, 201, 131, 232, and a minimum of seven hours from 220, 273, 186, 286, 202, 305.....	32-41
Hygiene 102.....	2
Literature.....	4
Physical Education (4 semesters).....	0
Physiology 101 or 102 ¹	3-5
Political Science 150 or 151.....	3
Psychology 100.....	4
Rhetoric 101, 102 or Division of General Studies 111, 112.....	6
Sociology 100.....	3
Speech 101 or Division of General Studies 111, 112.....	3
<i>Total Required for Graduation</i>	120

¹ Each student must take at least eight hours in physiology and bacteriology.

Curriculum in Industrial Education

For the Degree of Bachelor of Science in Industrial Education

This four-year curriculum, totaling 120 semester hours, is offered entirely in the College of Education. Students completing this curriculum qualify for certification by the State Superintendent of Public Instruction and in some cases by the State Board for Vocational Education. Modifications of the work shown in the following outline may be made to meet special needs, particularly for teachers already in service. Minor teaching subjects recommended are chemistry, mathematics, physics, or social studies.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Ind. Ed. 181—Industrial Arts	4	Ind. Ed. 183—The General Shop	4
D.G.S. 111—Verbal Communication; <i>or</i> Rhet. 101—Rhetoric and Com- position	4 or 3	D.G.S. 112—Verbal Communication; <i>or</i> Rhet. 102—Rhetoric and Com- position ²	4 or 3
Mathematics 111—Algebra; ¹ <i>or</i> Elective	5 or 3	Chem. 101 or 102—General Chemistry	5 or 3
Hygiene 105—Personal and Environ- mental Hygiene	2	G.E.D. 101—Elements of Drawing	4
Military Science (men)	1	Military Science (men)	1
Physical Education	1	Physical Education	1
<i>Total</i>	14 to 17	<i>Total</i>	16 to 19

Second Year

Ind. Ed. 184—Advanced Metal Work . . 4	Ind. Ed. 182—Advanced Course in Woodwork	4
Hist. 152—History of the U. S., 1828-1950	Pol. Sci. 150—American Government: Organization and Powers	3
G.E.D. 102—Descriptive Geometry . . . 4	Psych. 100—Introduction to Psychology	4
Math. 114—Plane Trigonometry 2	Engl. 114—American Literature; <i>or</i> Other Humanities Electives	3
Ed. 100—The American Public School . . 2	Military Science (men)	1
Military Science (men)	Physical Education	1
Physical Education	Electives	2
<i>Total</i>	<i>Total</i>	18

Third Year

Ed. 383—Problems of Industrial Education	Ed. 240—Principles of Secondary Education	3
Ed. 109—Educational Psychology 3	M.E. 183—Materials Casting	3
Phys. 101—General Physics: Me- chanics, Heat, and Sound	Arch. 144—Materials and Methods of Construction	3
Arch. 143—Materials and Methods of Construction	Agr. Eng. 142—Gas Engines and Tractors	3
M.E. 181—Metal Processing	Elective	3
<i>or</i> Journ. 204—Typography		
<i>Total</i>	<i>Total</i>	15

¹ Required of those who enter with only 1 unit of high school algebra.

² Those taking Rhet. 101 or 102 must register later for either Speech 101 or 141.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Avi. 153—Aircraft Shop Practice; <i>or</i> •		M.E. 231—Advanced Metal Processing; <i>or</i> Elective.....	3
Agr. Eng. 242—Advanced Gas and Diesel Engines and Tractors.....	3	Ed. 241—Technic of Teaching in the Secondary School.....	3
Ed. 381—Principles of Vocational Education.....	3	Ed. 242—Educational Practice in Secondary Education.....	2-5
Eng. 239—Industrial Relations.....	3	Electives.....	6
Ed. 385—Principles of Vocational Guidance.....	3		
Electives.....	6		
<i>Total</i>	18	<i>Total</i>	14-17

Curriculum Preparatory to Teaching Mentally Handicapped Children

For the Degree of Bachelor of Science in the Education of Mentally Handicapped Children

A minimum of 124 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition..	3	Rhet. 102—Rhetoric and Composition..	3
<i>or</i> D.G.S. 111—Verbal Communication.....	4	<i>or</i> D.G.S. 112—Verbal Communication.....	4
D.G.S. 131—Biological Science ¹	4	D.G.S. 132—Biological Science.....	4
<i>or</i> Physiol. 102—Mammalian Physiology ¹	5	<i>or</i> Physiol. 106—Physiology of the Nervous System and the Special Senses.....	3
Arts and Crafts ²	4	Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
Electives.....	3	Speech 101—Principles of Effective Speaking ³	3
Physical Education.....	1	Electives.....	3
Military Science (men).....	1	Physical Education.....	1
		Military Science (men).....	1
<i>Total</i>	15-18	<i>Total</i>	15-18

Second Year

Psych. 100—Introduction to Psychology.....	4	Ed. 100—The American Public School..	2
Pol. Sci. 150—American Government: Organization and Powers.....	3	Hist. 152—History of the U. S., 1828-1950.....	3
D.G.S. 151—Social Science ⁴	4	D.G.S. 152—Social Science ⁴	4
D.G.S. 161—Literature and Fine Arts..	4	D.G.S. 162—Literature and Fine Arts..	4
Physical Education.....	1	Electives.....	2
Military Science (men).....	1	Physical Education.....	1
		Military Science (men).....	1
<i>Total</i>	16-17	<i>Total</i>	16-17

¹ This requirement will be waived for students who have completed General Zoology or an acceptable equivalent.

² Students may satisfy this requirement by taking Industrial Education 181, Woodworking, or by taking 4 hours selected from Art 170, Art 203, Home Econ. 196 or the equivalent.

³ Students who take D.G.S. 111-112 are not required to take Speech 101.

⁴ D.G.S. 151-152 will be waived for students who have completed Soc. 100 and one additional 3-hour course in sociology.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Ed. 109—Educational Psychology.....3		Ed. 230—Principles of Elementary Education.....3	
Speech 208—Classroom Problems in Speech Correction.....3		or Ed. 240—Principles of Secondary Education.....3	
Home Econ. 201—The Child and His Development.....3		P.E. (new)—Physical Education of Handicapped Children.....2	
or Psych. 216—Child Psychology.....3		Ed. 218—Remedial Reading in the Elementary School.....3	
or Ed. 334—Child Development and Implications for Education.....2		Psych. 286—Clinical Psychology.....3	
Ed. 317—Exceptional Children.....3		or Psych. 150—Character and Personality.....3	
Electives.....4		or Psych. 283—Psychology of Adjustment.....4	
		Electives.....5	
<i>Total</i>	15-17	<i>Total</i>	16-17

Fourth Year

Ed. 231—Technic of Teaching in the Elementary School.....3		Ed. 220—Educational Practice in the Education of Exceptional Children..5	
Ed. 232—Educational Practice in the Elementary School ²5		Ed. 323—The Psychology and Education of the Mentally Handicapped...3	
Ed. 322—The Psychology and Education of the Mentally Handicapped...3		Electives ³8-9	
S.W.A. 220—Introduction to Social Work.....3			
Electives ³2			
<i>Total</i>	16	<i>Total</i>	16-17

Fifth Year Curriculum

For the Degree of Master of Science in the Education of Mentally Handicapped Children

One seeking a master's degree in the field of the education of mentally handicapped children must present the following prerequisites:

- (1) Courses sufficient to meet requirements for an Illinois Teacher's Certificate.
- (2) Specialized undergraduate courses.⁴

- a. Education 231—Technic of Teaching in the Elementary School
- b. Education 220—Educational Practice in the Education of Exceptional Children
- c. Speech 208—Classroom Problems in Speech Correction

¹ Speech 301—Introduction to Phonetics, is a prerequisite or can be taken concurrently with Speech 385.

² Educational Practice will be with normal elementary children and with mentally retarded elementary children.

³ Electives will be selected with the consent of the adviser. A maximum of 36 hours in education will be allowed toward graduation.

⁴ Students who are not trained as elementary teachers may have other specialized undergraduate courses to take depending upon their pattern of credits and teaching experience.

The curriculum for the fifth year consists of eight units of work, to be selected from the following required and elective courses:

Required Courses:	UNITS
Education 302—History of American Education; <i>or</i> Education 400—Philosophy of Education.....	1
Education 317—Exceptional Children.....	$\frac{1}{2}$
Education 322—Psychology and Education of the Mentally Handicapped.....	$\frac{1}{2}$ -1
Education 323—Psychology and Education of the Mentally Handicapped.....	$\frac{1}{2}$ -1
Education 409—Advanced Educational Psychology.....	1
Education 410—Mental Hygiene and the School.....	1
Education 426—Diagnostic and Remedial Programs of the School.....	1

NOTE: Any of the above courses, or their equivalents, which have been taken as an undergraduate may be replaced by electives listed below.

Electives:¹

- *Education 334—Child Development and Implications for Education
- Education 411—Psychology of Adolescence for Teachers
- Education 414—Seminar in Educational Psychology
- Education 417—Administration and Supervision of Education of Exceptional Children
- Education 425—Educational and Vocational Guidance
- *Education 434—Curriculum Problems and Trends in Elementary School Reading and the Language Arts
- Education 495—Educational Measurements
- Education 496—Educational Statistics
- Psychology 338—Abnormal Psychology
- Psychology 404—Physiological Psychology
- Psychology 406—Quantitative Methods
- Psychology 412—Advanced Child Psychology
- Psychology 436—Personality
- Psychology 471—Psychological Counseling and Psychotherapy
- Psychology 493-494—Research Seminar
- Speech 385—Speech Correction
- Speech 388—Speech Correction

Curriculum in Music Education

(See page 29)

Curriculum in Physical Education for Men

(See page 68)

Curriculum in Physical Education for Women

(See page 71)

¹ Under special circumstances, other courses may be substituted with the approval of the adviser.

* Especially recommended.

COLLEGE OF FINE AND APPLIED ARTS

Curriculum in Art Education

For the Degree of Bachelor of Fine Arts in Art Education

The courses outlined below total 134 to 138 hours. A minimum of 130 hours of credit, not counting the first two years to work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Art 121—Art Form.....	5	Art 122—Art Form.....	5
Arch. 171—Elements of Drawing and Design.....	3	Arch. 172—Elements of Drawing and Design.....	3
Rhet. 101—Rhetoric and Composition..	3	Rhet. 102—Rhetoric and Composition..	3
Foreign Language.....	4	Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
Military Science (men).....	1	Foreign Language.....	4
Physical Education.....	1	Military Science (men).....	1
		Physical Education.....	1
<i>Total</i>	16-17	<i>Total</i>	18-19

Second Year

Art 125—Life Drawing.....	2	Art 126—Life Drawing.....	2
Art 131—Elementary Composition.....	2	Art 132—Elementary Composition.....	2
Ed. 100—The American Public School..	2	Art 141—Still Life.....	2
Natural Science ¹	3	Natural Science ¹	3
Physical Education.....	1	Psych. 100—Introduction to Psychology.....	4
Military Science (men).....	1	Physical Education.....	1
Electives ²	7	Military Science (men).....	1
		Electives ²	3
<i>Total</i>	17-18	<i>Total</i>	17-18

Third Year

Art 111—Intro. to Anc. and Med. Art..	3	Art 112—Intro. to Renaissance and Mod. Art.....	3
Art 203—Art Education Lab.....	2	Art 204—Art Education Lab.....	2
Pol. Sci. 150—American Government: Organization and Powers.....	3	Art 235—Illustration.....	2
Ed. 109—Educational Psychology.....	3	Hist. 152—History of the U.S., 1865-1950.....	3
Speech 101—Principles of Effective Speaking.....	3	Ed. 240—Principles of Secondary Education.....	3
Electives.....	3	Electives.....	4
<i>Total</i>	17	<i>Total</i>	17

¹ Botany, zoology, chemistry, physics, geology, geography, biology, general science, mathematics (excluding arithmetic), and physiology, or their equivalents in integrated courses.

² Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. Desirable teaching combinations with art include English, French, industrial arts, Latin, and music.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Crafts Elective ¹	2	Advanced Art History.....	3
Art 261—Layout and Lettering.....	3	Crafts Elective ¹	4
Ed. 241—Technic of Teaching in the Secondary School.....	3	Art 101—Water Color.....	2
Ed. 242—Educational Practice in Secondary Education.....	5	Electives.....	7
Electives.....	3		
<i>Total</i>	<u>16</u>	<i>Total</i>	<u>16</u>

Fifth Year

For the Degree of Master of Fine Arts in Art Education

	UNITS		UNITS
Art 493—Seminar.....	1	Advanced Art History.....	1
Ed. 350—Curriculum Problems and Trends in Art Education.....	1	Art Elective.....	1
Ed. 400—Philosophy of Education.....	1	Ed. 409—Advanced Educational Psychology.....	1
or Ed. 302—History of American Education.....	1	Electives.....	1
Electives.....	1		
<i>Total</i>	<u>4</u>	<i>Total</i>	<u>4</u>

Undergraduate Minor in Art Education

	HOURS
Art 204—Art Education Laboratory.....	2
Art 111-112—Introduction to Ancient and Med. Art; Introduction to Renaissance and Mod. Art.....	6
Art 188—Introduction to Art Form.....	2
Art 189—Introduction to Art Form.....	2
Art 125—Life Drawing.....	2
Art 131—Elementary Composition.....	2
Crafts Elective ¹	2
<i>Total</i>	<u>18</u>

¹ Select any of the 2 hour crafts courses offered provided the necessary prerequisites are met.
The craft courses to be offered are as follows:

Art 170 — Recreational Crafts.....	2 hours
Art 171 — Metalwork and Jewelry I.....	2 hours
Art 172 — Metalwork and Jewelry II.....	2 hours
Art 173 — Pottery I.....	2 hours
Art 174 — Pottery II.....	2 hours
Art 175 — Leatherwork I.....	2 hours
Art 176 — Leatherwork II.....	2 hours
Art 177 — Bookbinding I.....	2 hours
Art 178 — Bookbinding II.....	2 hours

Curriculum in Music Education

For the Degree of Bachelor of Science in Music Education

The minimum requirements for teaching music in the primary and secondary schools are (1) that the teacher be sufficiently proficient on the piano to play accompaniments of music education materials and to play at sight, hymns, community songs, and folk songs; and (2) that he have a sufficient knowledge of voice to sing with a pleasant tone quality, to sing at sight, and to be able to impart the principles of voice production. Students who cannot meet these requirements must take additional work in the branches of applied music in which they are deficient.

The courses outlined subsequently total 136 to 140 hours. A minimum of 132 hours of credits, not counting the first two years of work in military science and physical education, is required for graduation.

Piano or Voice Major

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Principal Applied Music Subject.....	4	Principal Applied Music Subject.....	4
Secondary Applied Music Subject.....	2	Secondary Applied Music Subject.....	2
Music 102—Theory of Music.....	4	Music 103—Theory of Music.....	4
D.G.S. 111—Verbal Communication ¹ ...	4	D.G.S. 112—Verbal Communication ¹ ...	4
Military Science (men).....	1	Military Science (men).....	1
Physical Education.....	1	Physical Education.....	1
		Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
<i>Total</i>	15 or 16	<i>Total</i>	17 or 18

Second Year²

Principal Applied Music Subject.....	4	Principal Applied Music Subject ³	4
Secondary Applied Music Subject.....	2	Secondary Applied Music Subject ³	2
Music 226—History of Music.....	2	Music 227—History of Music.....	2
Music 106—Theory of Music.....	4	Music 107—Theory of Music.....	4
Physics 232—Physics of Music.....	2	Psych. 100—Introduction to Psychology.....	4
Ed. 100—The American Public School..	2	Military Science (men).....	1
Military Science (men).....	1	Physical Education.....	1
Physical Education.....	1		
<i>Total</i>	17 or 18	<i>Total</i>	17 or 18

¹ Rhetoric 101 and 102, and Speech 141 or 101 may be taken instead of D.G.S. 111 and 112.

² At the end of the sophomore year, a committee will investigate each Music Education student. The following points will be taken into consideration: musicianship, scholarship standing, personality, and leadership. The exceptionally good music students will be permitted to use, if they wish to do so, music as a minor area of specialization. Those students who present an acceptable music minor already within their curriculum will be required to take a minimum of 16 hours of electives in the following: 1) art, 2) social studies (especially courses concerned with current social problems), 3) biological science, and 4) physical science. Other students will be requested to select a non-music subject as a minor area of specialization and accumulate a minimum of sixteen hours in the area. Desirable teaching combinations with music include art, English, French, German, Latin, physical education, and Spanish.

³ A test is given in this subject. If the student has not attained adequate proficiency, he will be required to take from 2 to 4 hours of work in excess of the 132 hours required for graduation.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Music 214—Elementary and Junior High School Music.....	2	Music 215—Senior High School Choral Music.....	2
Music 184—String Instruments.....	2	Music 185—String Instruments.....	2
Music 190—Wind Instruments.....	2	Music 192—Wind Instruments.....	2
Music Ensemble.....	1½	Music Ensemble.....	1½
Pol. Sci. 150—American Government: Organization and Powers.....	3	Ed. 240—Principles of Secondary Education.....	3
Ed. 109—Educational Psychology.....	3	Hist. 152—History of the U.S., 1828-1950.....	3
Electives ¹	5	Electives ¹	5
<i>Total</i>	17½	<i>Total</i>	17½

Fourth Year

Music 220—Conducting.....	2	Music 217—Instrumental School Music.....	2
Music 224—Appreciation of Music.....	2	Music 225—Appreciation of Music.....	2
Music 194—Wind Instruments.....	2	Music 196 or 198—Wind Instruments.....	2
Music 210—Instrumentation.....	2	Music 211—Instrumentation.....	2
Music Ensemble.....	1½	Music Ensemble.....	1½
Ed. 232—Educational Practice in Elementary Education.....	2	Ed. 242—Educational Practice in Secondary Education (D).....	3
Ed. 241—Technic of Teaching in the Secondary School.....	3	Electives ¹	6
Electives ¹	4		
<i>Total</i>	17½	<i>Total</i>	17½

Wind Instrument Major

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Principal Applied Wind Instrument....	2	Principal Applied Wind Instrument....	2
Music 160—Piano.....	2	Music 160—Piano.....	2
Music 190—Wind Instruments.....	2	Music 192—Wind Instruments.....	2
Music 102—Theory of Music.....	4	Music 103—Theory of Music.....	4
D.G.S. 111—Verbal Communication ² ...	4	D.G.S. 112—Verbal Communication ¹ ...	4
Military Science (men).....	1	Military Science (men).....	1
Physical Education.....	1	Physical Education.....	1
		Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
<i>Total</i>	15 or 16	<i>Total</i>	17 or 18

¹ At the end of the sophomore year, a committee will investigate each Music Education student. The following points will be taken into consideration: musicianship, scholarship standing, personality, and leadership. The exceptionally good music students will be permitted to use, if they wish to do so, music as a minor area of specialization. Those students who present an acceptable music minor already within their curriculum will be required to take a minimum of 16 hours of electives in the following: 1) art, 2) social studies (especially courses concerned with current social problems), 3) biological science, and 4) physical science. Other students will be requested to select a non-music subject as a minor area of specialization and accumulate a minimum of sixteen hours in the area. Desirable teaching combinations with music include art, English, French, German, Latin, physical education, and Spanish.

² Rhetoric 101-102 and Speech 141 or 101 may be taken instead of D.G.S. 111-112.

Second Year¹

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Principal Applied Wind Instrument	2	Principal Applied Wind Instrument	2
Music 160—Piano	2	Music 160—Piano ²	2
Music 194—Wind Instruments	2	Music 196—Wind Instruments	2
Music 226—History of Music	2	Music 227—History of Music	2
Music 106—Theory of Music	4	Music 107—Theory of Music	4
Physics 232—Physics of Music	2	Psych. 100—Introduction to Psychology	4
Ed. 100—The American Public School	2	Military Science (men)	1
Military Science (men)	1	Physical Education	1
Physical Education	1		
<i>Total</i>	<u>17 or 18</u>	<i>Total</i>	<u>17 or 18</u>

Third Year

Music 161—Voice	2	Music 161—Voice ³	2
Music 214—Elementary and Junior High School Music	2	Music 215—Senior High School Choral Music	2
Music 184—String Instruments	2	Music 185—String Instruments	2
Music Ensemble	½	Music Ensemble	½
Pol. Sci. 150—American Government: Organization and Powers	3	Ed. 240—Principles of Secondary Education	3
Ed. 109—Educational Psychology	3	Hist. 152—History of the U.S., 1865-1950	3
Electives ²	5	Electives ²	5
<i>Total</i>	<u>17½</u>	<i>Total</i>	<u>17½</u>

Fourth Year

Music 220—Conducting	2	Music 217—Instrumental School Music	2
Music 224—Appreciation of Music	2	Music 225—Appreciation of Music	2
Music 210—Instrumentation	2	Music 211—Instrumentation	2
Music Ensemble	½	Music Ensemble	½
Ed. 232—Educational Practice in Elementary Education	2	Ed. 242—Educational Practice in Secondary Education (V)	3
Ed. 241—Technic of Teaching in the Secondary School	3	Electives ²	6-8
Electives ²	4-6		
<i>Total</i>	<u>15½-17½</u>	<i>Total</i>	<u>15½-17½</u>

¹ At the end of the sophomore year, a committee will investigate each Music Education student. The following points will be taken into consideration: musicianship, scholarship standing, personality, and leadership. The exceptionally good music students will be permitted to use, if they wish to do so, music as a minor area of specialization. Those students who present an acceptable music minor already within their curriculum will be required to take a minimum of 16 hours of electives in the following: 1) art, 2) social studies (especially courses concerned with current social problems), 3) biological science, and 4) physical science. Other students will be requested to select a non-music subject as a minor area of specialization and accumulate a minimum of sixteen hours in the area. Desirable teaching combinations with music include art, English, French, German, Latin, physical education, and Spanish.

² A test is given in this subject. If the student has not attained adequate proficiency, he will be required to take from 2 to 4 hours of work in excess of the 132 hours required for graduation.

String Instrument Major

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Principal Applied String Instrument....4		Principal Applied String Instrument...4	
Music 160—Piano.....2		Music 160—Piano.....2	
Music 102—Theory of Music.....4		Music 103—Theory of Music.....4	
D.G.S. 111—Verbal Communication ¹ ...4		D.G.S. 112—Verbal Communication ¹ ...4	
Military Science (men).....1		Military Science (men).....1	
Physical Education.....1		Physical Education.....1	
		Hygiene 102 or 105—Personal and Environmental Hygiene.....2	
<i>Total</i>	15-16	<i>Total</i>	17-18

Second Year²

Principal Applied String Instrument....4		Principal Applied String Instrument...4	
Music 160—Piano.....2		Music 160—Piano ³2	
Music 226—History of Music.....2		Music 227—History of Music.....2	
Music 106—Theory of Music.....4		Music 107—Theory of Music.....4	
Physics 232—Physics of Music.....2		Psych. 100—Introduction to Psychology.....4	
Ed. 100—The American Public School...2		Military Science (men).....1	
Military Science (men).....1		Physical Education.....1	
Physical Education.....1			
<i>Total</i>	17-18	<i>Total</i>	17-18

Third Year

Music 161—Voice.....2		Music 161—Voice ³2	
Music 214—Elementary and Junior High School Music.....2		Music 215—Senior High School Choral Music.....2	
Music 190—Wind Instruments.....2		Music 192—Wind Instruments.....2	
Music Ensemble..... ½		Music Ensemble..... ½	
Pol. Sci. 150—American Government: Organization and Powers.....3		Ed. 240—Principles of Secondary Education.....3	
Ed. 109—Educational Psychology.....3		Hist. 152—History of the U.S., 1828-1950.....3	
Electives ²5		Electives ²5	
<i>Total</i>	17½	<i>Total</i>	17½

¹ Rhetoric 101-102 and Speech 141 or 101 may be taken instead of D.G.S. 111-112.

² At the end of the sophomore year, a committee will investigate each Music Education student. The following points will be taken into consideration: musicianship, scholarship standing, personality, and leadership. The exceptionally good music students will be permitted to use, if they wish to do so, music as a minor area of specialization. Those students who present an acceptable music minor already within their curriculum will be required to take a minimum of 16 hours of electives in the following: 1) art, 2) social studies (especially courses concerned with current social problems), 3) biological science, and 4) physical science. Other students will be requested to select a non-music subject as a minor area of specialization and accumulate a minimum of sixteen hours in the area. Desirable teaching combinations with music include art, English, French, German, Latin, physical education, and Spanish.

³ A test is given in this subject. If the student has not attained adequate proficiency, he will be required to take from 2 to 4 hours of work in excess of the 132 hours required for graduation.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Music 220—Conducting.....	2	Music 184 or 185—String Instrument..	2
Music 224—Appreciation of Music.....	2	Music 217—Instrumental School	
Music 194—Wind Instruments.....	2	Music.....	2
Music 210—Instrumentation.....	2	Music 225—Appreciation of Music....	2
Music Ensemble.....	½	Music 196 or 198—Wind Instrument..	2
Ed. 232—Educational Practice in		Music 211—Instrumentation.....	2
Elementary Education.....	2	Music Ensemble.....	½
Ed. 241—Technic of Teaching in the		Ed. 242—Educational Practice in	
Secondary School.....	3	Secondary Education (Sec. V).....	3
Electives ¹	2-4	Electives ¹	2-4
<i>Total</i>	15½-17½	<i>Total</i>	15½-17½

Curriculum in Music Education

Fifth Year

For the Degree of Master of Science in Music Education

UNITS	UNITS
Ed. 409—Advanced Educational	
Psychology.....	1
Music Elective ²	2
Electives ²	1
<i>Total</i>	4
Ed. 400—Philosophy of Education.....	1
or Ed. 302—History of American	
Education.....	1
Music 427—Administration and	
Supervision of Music Education.....	1
Music Elective ²	1
Electives ²	1
<i>Total</i>	4

Undergraduate Minors in Music

Instrumental Minor

	HOURS
Music 184 and 185—String Instruments.....	4
Music 190, 192, 194, 196, or 198—Wind Instruments ³	4
Music 220—Conducting.....	2
Music 224 or 225—Appreciation of Music.....	2
Music 160—Piano; or Music 163—Violin; or Music 164-176—Band	
and Orchestral Instruments (to be chosen with consent of adviser) ..	4
Music 217—Instrumental School Music.....	2
<i>Total</i>	18

¹ At the end of the sophomore year, a committee will investigate each Music Education student. The following points will be taken into consideration: musicianship, scholarship standing, personality, and leadership. The exceptionally good music students will be permitted to use, if they wish to do so, music as a minor area of specialization. Those students who present an acceptable music minor already within their curriculum will be required to take a minimum of 16 hours of electives in the following: 1) art, 2) social studies (especially courses concerned with current social problems), 3) biological science, and 4) physical science. Other students will be requested to select a non-music subject as a minor area of specialization and accumulate a minimum of sixteen hours in the area. Desirable teaching combinations with music include art, English, French, German, Latin, physical education, and Spanish.

² Of the 5 units of electives in the fifth year, a maximum of 2 units is allowed in applied music.

³ Students are required to take two of these courses.

Vocal Minor

Music 100—Rudiments of Theory.....	2
Music 224 or 225—Appreciation of Music.....	2
Music Ensemble—Vocal Sections.....	1
Music 220—Conducting.....	2
Music 160—Piano.....	4
Music 161—Voice.....	4
Music 214—Elementary and Junior High School Music; or Music 215—Senior High School Choral Music.....	2
<i>Total</i>	<u>17</u>

SCHOOL OF JOURNALISM

The School of Journalism offers the teaching minor specified below for prospective teachers registered in other colleges and schools of the University. The undergraduate minor in Journalism consists of a minimum of 16 hours in Journalism courses.

<i>Recommended Courses</i>	HOURS
Journ. 204—Typography.....	2
Journ. 211—Reporting.....	3
Journ. 281—Principles of Advertising.....	3
Journ. 321—Copyreading.....	3
Journ. 308—High School Journalism.....	3
Journ. Electives.....	2-3
<i>Total</i>	<u>16-17</u>

Recommended Courses for Additional Credit

Journ. 212—Reporting Practice.....	3
Journ. 215—Contemporary Affairs.....	2
Journ. 218—The Press and Public Opinion.....	3
Journ. 223—Press Photography.....	3
Journ. 227—Feature Article Writing.....	3
Journ. 261—Principles of Broadcasting.....	2

COLLEGE OF LIBERAL ARTS AND SCIENCES

Curriculum Preparatory to the Teaching of Biology

*For the Degree of Bachelor of Science in the Teaching of the
Biological Sciences and General Science*

This curriculum is for students preparing to teach biology and general science as major areas of specialization and physical science as a minor area of specialization. The courses outlined below total 127 to 136 hours. A minimum of 123 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition; or D.G.S. 111—Verbal Com- munication.....	3 or 4	Rhet. 102—Rhetoric and Composition; or D.G.S. 112—Verbal Com- munication.....	3 or 4
Foreign Language ¹	4	Foreign Language ¹	4
Bot. 100 and 101—Introductory Botany; or Zool. 101—General Zoology.....	5	Zool. 101—General Zoology; or Bot. 100 and 101—Introduc- tory Botany.....	5
Military Science (men).....	1	English Literature ³	3
Physical Education.....	1	Speech 101—Principles of Effec- tive Speaking; or Speech 141— Oral Interpretation of Litera- ture ⁴	3 or 2
Hygiene 102 or 105—Personal and Environmental Hygiene.....	2	Military Science (men).....	1
Electives ²	2	Physical Education.....	1
<i>Total</i>	17 to 19	<i>Total</i>	18 to 21

Second Year

Ed. 100—The American Public School..2	Pol. Sci. 150—American Government: Organization and Powers.....	3
Hist. 152—History of the U.S., 1865-1950.....	Bact. 104 and 105—Introductory Bacteriology.....	5
Physiol. 103—Mammalian Physiology.....	Psych. 103—Human Behavior.....	4
Chem. 101 or 102—General Chemistry.....	Military Science (men).....	1
Military Science (men).....	Physical Education.....	1
Physical Education.....	Electives ⁵	2
Electives ⁵		
<i>Total</i>	<i>Total</i>	15 to 18
		15 to 16

¹ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

² For students who have had two or more years of mathematics in high school, Mathematics 112 (College Algebra) is strongly recommended.

³ Another approved humanity may be elected.

⁴ Students who take D.G.S. 111-112 are not required to take Speech 101 or 141.

⁵ It is recommended that not more than one-third of the total elective hours of the sophomore, junior, and senior years be chosen from the sciences. The remainder should be selected, with the approval of the adviser, from the humanities and social sciences. The following science courses are especially recommended as electives: Astronomy 201 and 202; Bact. 106 and 326; Botany 280, 116 and 340; Geography 111 and 123; Hort. 121 and 242; Math. 112 or 111; Zoology 132, 107, 341, 342 and 351.

The following elective courses in the humanities and social sciences are especially recommended: Art 111 and 112; Classics 101; Economics 102-103; English 101, 111, 112, 113, 131, 355 and 356, and 253; Rhetoric 144, 205 and 206; History 111, 112, 131, 132, 181 and 357, and 304; Journalism 215; Music 110 and 114; Philosophy 101, 102 and 303; Psychology 130, 216 and 150; Sociology 100; D.G.S. 151-152 and advanced courses in any Foreign Language.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
D.G.S. 141—Physical Science.....	4	D.G.S. 142—Physical Science.....	4
Geog. 101—Elements of Geography....	5	Zool. 335—Ornithology.....	3
Ed. 109—Educational Psychology.....	3	Entom. 101-102—Destructive and Useful Insects.....	5
Bot. 381—Plant Ecology <i>or</i> a Course in Genetics.....	3	Ed. 240—Principles of Secondary Education.....	3
Electives.....	2	Electives.....	1-2
<i>Total</i>	17	<i>Total</i>	16-17

Fourth Year

Zool. 304—Field Zoology.....	3	Bot. 160—Introductory Systematic Botany.....	3
Zool. 345—Animal Ecology and Geography.....	3	Ed. 241—Technic of Teaching in the Secondary Schools ¹	3
<i>or</i> Zool. 342—Wildlife Management and Conservation.....	3	Ed. 242—Educational Practice in Secondary Education (Sec. F) ¹	5
Bot. 304—General Plant Morphology....	3	Bot. 306—Biology for Teachers.....	2
Electives.....	6	Electives.....	2
<i>Total</i>	15	<i>Total</i>	15

Fifth Year

For the Degree of Master of Science in the Teaching of the Biological Sciences and General Science

Eight units of work as listed below are required. Courses must be selected with the consent of the adviser, who will see that the candidate strengthens areas in which he is weakest. No thesis is required. A course in Biological Chemistry and one in Experimental Psychology are strongly advised.

	UNITS
Biological Sciences.....	4
Ed. 409—Advanced Educational Psychology.....	1
Ed. 400—Philosophy of Education.....	1
<i>or</i> Ed. 302—History of American Education.....	1
Electives.....	2
<i>Total</i>	8

Biology as a First Undergraduate Minor

	HOURS
Zool. 101—General Zoology.....	5
Bot. 100-101—Introductory Botany.....	5
Bact. 104-105—Introductory Bacteriology.....	5
Entom. 101-102—Destructive and Useful Insects.....	5
<i>Total</i>	20

¹ Students may register in Education 241 and Education 242 in the first semester of the fourth year.

Biology as a Second Undergraduate Minor

HOURS

Zool. 101—General Zoology.....	5
Bot. 100-101—Introductory Botany.....	5
Entom. 101—Destructive and Useful Insects.....	3
Physiol. 101—Mammalian Physiology.....	3
<i>Total</i>	16

General Science as an Undergraduate Minor

HOURS

D.G.S. 141-142—Physical Sciences.....	8
Chem. 101 or 102—General Chemistry.....	5 or 3
Zool. 101—General Zoology.....	5
Bot. 100-101—Introductory Botany.....	5
Geog. 101—Elements of Geography.....	5
<i>Total</i>	26-28

Curriculum Preparatory to the Teaching of Chemistry

For the Degree of Bachelor of Science in the Teaching of Chemistry

For students preparing to teach physical science with a major in chemistry and with minors in physics and mathematics. The courses outlined below total 128 to 133 hours. A minimum of 125 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

If the student has not had adequate high school training in mathematics, he may be required to take Mathematics 106 or other elementary mathematics.

If the student has had no foreign language in high school or if he does not continue in the University the same language which he began in high school, it will be necessary for him to take two years of foreign language rather than the one year specified below.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition...	3	Rhet. 102—Rhetoric and Composition...	3
Math. 117—Combined Freshman Mathematics.....	5	Math. 127—Combined Freshman Mathematics.....	4
Military Science (men).....	1	Chem. 106—Inorganic Chemistry.....	5
Physical Education.....	1	Military Science (men).....	1
		Physical Education.....	1
<i>Either</i>			
{ Chem. 101—General Chemistry.....	5	Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
{ Elective.....	3		
<i>Or</i>			
{ Chem. 102—General Chemistry.....	3	Electives.....	2
{ Hygiene 102 or 105—Personal and Environmental Hygiene.....	2		
{ Electives.....	3		
<i>Total</i>	17-18	<i>Total</i>	15-16

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Chem. 110—Qualitative Analysis.....	5	Chem. 124—Quantitative Analysis.....	5
Ed. 100—The American Public School..	2	Psych. 100—Introduction to Psychology.....	4
Foreign Language ¹	4	Math. 147—Calculus.....	3
Math. 137—Calculus.....	3	Physical Education.....	1
Physical Education.....	1	Military Science (men).....	1
Military Science (men).....	1	Foreign Language ¹	4
<i>Total</i>	15-16	<i>Total</i>	17-18

Third Year

Chem. 133—Elementary Organic Chemistry.....	5	Chem. 240-241—Elementary Physical Chemistry.....	4
or Chem. 234—Organic Chemistry.....	5	or Chem. 350—Biochemistry.....	5
Phys. 103—General Physics (Me- chanics, Heat, and Sound).....	5	Phys. 104—General Physics (Elec- tricity, Magnetism, Light, and Modern Physics).....	5
Pol. Sci. 150—American Government: Organization and Powers.....	3	Ed. 240—Principles of Secondary Ed...3	
Ed. 109—Educational Psychology.....	3	Hist. 152—History of U.S., 1865-1950..3	
<i>Total</i>	16	<i>Total</i>	15-16

Fourth Year

Advanced Physics.....	5	Advanced Physics.....	5
Math. 301—Fundamental Concepts of Mathematics.....	3	Ed. 241—Technic of Teaching in the Secondary School.....	3
Speech 101—Principles of Effective Speaking.....	3	Ed. 242—Educational Practice in Secondary Education (Sec. G).....	5
or Speech 141—Oral Interpretation of Literature.....	2	Chemistry Elective.....	2
Electives ²	6	Electives.....	2
<i>Total</i>	19	<i>Total</i>	17

Fifth Year

For the Degree of Master of Science in the Teaching of Chemistry

Eight units of work are required including four in chemistry, two in education, and two in electives. Courses must be selected with the consent of the adviser, who will see that the candidate strengthens areas in which he is weak. No thesis is required.

	UNITS
Chemistry.....	4
Ed. 409—Advanced Educational Psychology.....	1
Ed. 400—Philosophy of Education.....	1
or Ed. 302—History of American Education.....	1
Electives.....	2
<i>Total</i>	8

¹ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

² Geology 130 (General Mineralogy) is strongly recommended.

For the Degree of Master of Science in the Teaching of the Physical Sciences

A special program leading to the degree of Master of Science in the Physical Sciences is available to meet the needs of students who wish to study in both chemistry and physics rather than to specialize in one department. It is designed primarily for those preparing to teach the physical sciences in high school. Students working toward a degree under the provisions of this program are expected to seek approximately equal proficiency in both physics and chemistry; those whose undergraduate work has emphasized chemistry should balance this by weighting the graduate work in favor of physics, and vice versa. No thesis is required, and all courses in physics and chemistry which normally give graduate credit will carry credit toward the degree. To qualify for the degree, a student must have had, or must include in his program, at least one course in mathematics beyond the calculus, and for which the calculus is prerequisite.

UNITS

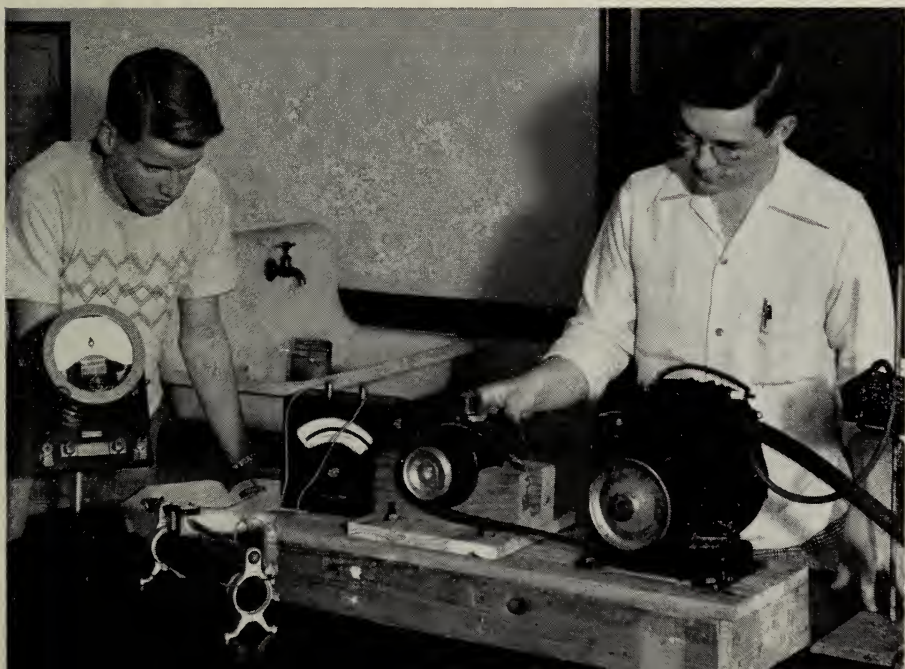
Physical Sciences.....	4
Ed. 409—Advanced Educational Psychology.....	1
Ed. 400—Philosophy of Education.....	1
or Ed. 302—History of American Education.....	1
Electives.....	2
<i>Total</i>	8

Undergraduate Minor in Chemistry

HOURS

Chem. 101 or 102—General Chemistry.....	5 or 3
Chem. 105—Inorganic Chemistry and Qualitative Analysis.....	5
Chem. 122—Elementary Quantitative Analysis.....	5
Chem. 133—Elementary Organic Chemistry.....	5
<i>Total</i>	18-20

A physics experiment in a University High School laboratory



Curriculum Preparatory to the Teaching of English

For the Degree of Bachelor of Arts in the Teaching of English

The courses outlined below total 134 to 140 hours. A minimum of 128 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition...3 or D.G.S. 111—Verbal Com- munication.....4		Rhet. 102—Rhetoric and Composition...3 or D.G.S. 112—Verbal Com- munication.....4	
Foreign Language ¹4		Foreign Language ¹4	
Mathematics or Science ²3		Mathematics or Science ²3	
Hygiene 102 or 105—Personal and Environmental Hygiene.....2		Military Science (men).....1	
Military Science (men).....1		Physical Education.....1	
Physical Education.....1		Electives ³5	
Electives ³3			
<i>Total</i>16-18		<i>Total</i>16-18	

Second Year

Engl. 113—American Literature.....3		Engl. 114—American Literature.....3	
Engl. 131—Introduction to Shake- speare.....3		Pol. Sci. 150—American Government: Organization and Powers.....3	
Ed. 100—The American Public School..2		Psych. 100—Introduction to Psychology.....4	
Foreign Language ¹4		Foreign Language ¹4	
Speech Electives.....3		Electives.....2	
Military Science (men).....1		Military Science (men).....1	
Physical Education.....1		Physical Education.....1	
<i>Total</i>16-17		<i>Total</i>17-18	

¹ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

² Six semester hours of natural science are required. The courses in biological science and physical science in the Division of General Studies are especially recommended.

³ Students are required to complete one teaching minor consisting of a minimum of 16 hours. In addition, beginning teachers may need to complete a second teaching minor of 16 semester hours. Desirable teaching combinations with English include art, music; and double minors in French and Latin; German and Latin; history and music; history and physical education; home economics and physical education; Latin and music; Latin and physical education; Latin and Spanish; music and physical education; speech and Latin; speech and music; speech and physical education; journalism and history; journalism and Latin; speech and history.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 246—Modern English Grammar.....3		Engl. Electives ¹6	
Engl. Electives ¹4		Ed. 240—Principles of Secondary Education.....3	
Ed. 109—Educational Psychology.....3		Lib. Sci. 304—Library Materials for Adolescents.....3	
Speech 141—Oral Interpretation of Literature.....2		Rhet. 133—Expository Writing.....3	
Hist. 152—History of the U.S., 1828-1950.....3			
Electives.....3			
<i>Total</i>18		<i>Total</i>15	

Fourth Year

Engl. 355—Survey of English Literature.....3		Engl. 356—Survey of English Literature.....3	
Ed. 219—Remedial Reading in the High School.....3		Ed. 241—Technic of Teaching in the Secondary School.....4	
Journ. 308—High School Journalism.....3		Ed. 242—Educational Practice in Secondary Education (Sec. L).....5	
Electives.....9		Electives.....5	
<i>Total</i>18		<i>Total</i>17	

Fifth Year

For the Degree of Master of Arts in the Teaching of English

UNITS	UNITS
Engl. ²2	Engl. ²2
Ed. 409—Advanced Educational Psychology.....1	Ed. 400—Philosophy of Education.....1
Electives.....1	or Ed. 302—History of American Education.....1
	Electives.....1
<i>Total</i>4	<i>Total</i>4

Undergraduate Minor in English

	HOURS
Rhet. 101 and 102—Rhetoric and Composition.....6	
or D.G.S. 111-112—Verbal Communication.....8	
Engl. 113-114—American Literature.....6	
Rhet. 133—Expository Writing.....3	
Engl. 355-356—Survey of English Literature.....6	
<i>Total</i>21-23	

¹ Six of the ten hours of English electives must be in courses restricted to advanced undergraduates.

² Rhetoric 345 is especially recommended. Candidates for junior college teaching should take Rhetoric 345.

Curriculum Preparatory to the Teaching of French

For the Degree of Bachelor of Arts in the Teaching of French¹

The courses outlined below total 125 to 134 hours. A minimum of 120 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
French 101—Elementary Course.....	4	French 102—Elementary Course.....	4
Rhet. 101—Rhetoric and Composition..	3	Rhet. 102—Rhetoric and Composition..	3
or D.G.S. 111—Verbal Com-		or D.G.S. 112—Verbal Com-	
munication.....	4	munication.....	4
Science and Mathematics ²	6 to 7	Science ² and Mathematics.....	3 to 5
Hygiene 102 or 105—Personal and		Military Science (men).....	1
Environmental Hygiene.....	2	Physical Education.....	1
Military Science (men).....	1	Electives ³	3-6
Physical Education.....	1		
<i>Total</i>	16-19	<i>Total</i>	16-19

Second Year

French 103—Modern French.....	4	French 104—Modern French.....	4
Ed. 100—The American Public School..	2	Psych. 100—Introduction to	
Military Science (men).....	1	Psychology.....	4
Physical Education.....	1	Military Science (men).....	1
Electives.....	10	Physical Education.....	1
		Electives.....	7
<i>Total</i>	17-18	<i>Total</i>	16-17

Third Year

French 201—Introduction to French		French 202—Introduction to French	
Literature.....	3	Literature.....	3
French 211—Oral French.....	2	French 212—Oral French.....	2
Pol. Sci. 150—American Government:		Hist. 152—History of the U.S.,	
Organization and Powers.....	3	1828-1950.....	3
Ed. 109—Educational Psychology.....	3	Speech 101—Principles of Effective	
Electives ⁴	4	Speaking.....	3
		or Speech 141—Oral Interpretation	
		of Literature ⁵	2
		Electives.....	5
<i>Total</i>	15	<i>Total</i>	15-16

¹ Students who complete this curriculum may elect to take the degree of Bachelor of Arts in Liberal Arts and Sciences.

² Eleven hours of natural science or mathematics are required.

³ Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. In addition, the beginning teacher of French may need to be prepared to teach a second minor requiring a minimum of 16 hours. Desirable teaching combinations with French include English, foreign languages, history, music and physical education. A double major in French and English and a double major in French and Latin with English or history as a minor subject are also recommended. Additional hours for electives may be gained from basic courses credited from a secondary school.

⁴ Advanced courses in French civilization and literature are recommended, particularly for students who have completed basic French courses in secondary school.

⁵ Students who take D.G.S. 111-112 are not required to take Speech 101 or 141.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
French 213—Composition.....	2	French 214—Composition.....	2
French 215—Advanced Conversation...2		French 216—Advanced Conversation..2	
Ed. 240—Principles of Secondary Education.....	3	Ed. 241—Technic of Teaching in the Secondary School.....	3
Electives.....	8	Ed. 242—Educational Practice in Secondary Education (Sec. N).....	5
		Electives.....	3
<i>Total</i>	<u>15</u>	<i>Total</i>	<u>15</u>

Fifth Year

For the Degree of Master of Arts in the Teaching of French

The student's program will be worked out in conference with the adviser in the major area of specialization. The program will total a minimum of 8 units, or 32 semester hours, for two semesters. French 409-410 (Phonetics and Advanced Syntax) is required.

	UNITS
French 409-410—Phonetics and Advanced Syntax.....	2
French.....	2
Ed. 409—Advanced Educational Psychology.....	1
Ed. 400—Philosophy of Education.....	1
or Ed. 302—History of American Education.....	1
Electives.....	2
<i>Total</i>	<u>8</u>

French class at University High School



Undergraduate Minor in French

HOURS

French 101-102—Elementary Course.....	8
French 103-104—Modern French.....	8
French 211-212—Oral French.....	4
<i>Total</i>	20

The minor in French requires four hours of oral work supplementary to courses 101-102 and 103-104. Total hours required may be reduced by entrance credits in French. Additional courses recommended: French 201-202, French 213-214, French 215-216.

Curriculum Preparatory to the Teaching of Geography

For the Degree of Bachelor of Science in the Teaching of Geography

The courses outlined below total 127 to 133 hours. A minimum of 123 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Geog. 101—Elements of Geography.....	5	Geog. 103—Economic Geography.....	5
Rhet. 101—Rhetoric and Composition..	3	Rhet. 102—Rhetoric and Composition..	3
Foreign Language ¹	4	Foreign Language ¹	4
Military Science (men).....	1	Hygiene 102 or 105—Personal and	
Physical Education.....	1	Environmental Hygiene.....	2
Electives ²	3	Military Science (men).....	1
		Physical Education.....	1
<i>Total</i>	16-17	<i>Total</i>	15-16

Second Year

Geog. 123—Geography of Illinois.....	3	Geog. 111—Introduction to	
Ed. 100—The American Public School..	2	Meteorology.....	3
Speech 101—Principles of Effective		Psych. 100—Introduction to	
Speaking.....	3	Psychology.....	4
or Speech 141—Oral Interpretation		Military Science (men).....	1
of Literature.....	2	Physical Education.....	1
Military Science (men).....	1	Electives ²	8
Physical Education.....	1		
Electives ²	7-8		
<i>Total</i>	15-18	<i>Total</i>	16-17

¹ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

² Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. In addition, the beginning teacher of Geography may need to be prepared to teach a second minor requiring a minimum of 16 hours.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Geog. 221—Geography of Western North America	3	Geog. 222—Geography of Eastern North America	3
Ed. 109—Educational Psychology.....	3	Geog. 232—Geography of South America.....	3
Hist. 152—History of the U.S., 1828-1950.....	3	Ed. 240—Principles of Secondary Education.....	3
Electives ¹	8	Pol. Sci. 150—American Government: Organization and Powers.....	3
		Electives ¹	5
<i>Total</i>	17	<i>Total</i>	17

Fourth Year

Geog. 371—Introduction to Research...	2	Geog. 342—Geography of Europe.....	3
Ed. 241—Technic of Teaching in the Secondary School.....	4	Geog. 351—Geography of Asia.....	3
Ed. 242—Educational Practice in Secondary Education (Sec. J).....	5	Electives.....	9
Electives.....	5		
<i>Total</i>	16	<i>Total</i>	15

Fifth Year

For the Degree of Master of Science in the Teaching of Geography

	UNITS		UNITS
Geog. 495—Advanced Studies in		Geog. 494—Research	1
Geography	1	Geography Elective	1
Geography Elective	1	Ed. 302—History of American	
Ed. 409—Advanced Educational		Education	1
Psychology	1	or Ed. 400—Philosophy of	
Electives	1	Education	1
		Electives	1
<i>Total</i>	<hr/> 4	<i>Total</i>	<hr/> 4

Geography as an Undergraduate Minor

	HOURS
Geog. 101—Elements of Geography.....	5
Geog. 103—Economic Geography.....	5
Geog. (Regional courses) ²	6
<i>Total</i>	16

¹ Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. In addition, the beginning teacher of Geography may need to be prepared to teach a second minor requiring a minimum of 16 hours.

² It is recommended that regional courses be taken in related sequences, such as Eastern and Western North America, Caribbean and South America. These courses should be selected from Geography 221, 222, 232, 342, 351, 111, and 313.

Curriculum Preparatory to the Teaching of German

For the Degree of Bachelor of Arts in the Teaching of German¹

The courses outlined below total 131 to 138 hours. A minimum of 120 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
German 101—Elementary Course.....4		German 102—Elementary Course.....4	
Rhet. 101—Rhetoric and Composition..3		Rhet. 102—Rhetoric and Composition..3	
or D.G.S. 111—Verbal Com-		or D.G.S. 112—Verbal Com-	
munication.....4		munication.....4	
Science or Mathematics.....3		Science or Mathematics.....5	
Hygiene 102 or 105—Personal and		Military Science (men).....1	
Environmental Hygiene.....2		Physical Education.....1	
Military Science (men).....1		Electives.....3	
Physical Education.....1			
Electives ²3			
<i>Total</i>	16-18	<i>Total</i>	16-18

¹ Students who complete this curriculum may elect to take the degree of Bachelor of Arts in Liberal Arts and Sciences.

² Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. In addition, the beginning teacher of German may need to be prepared to teach a second minor requiring a minimum of 16 hours. Desirable teaching combinations with German include English, French, History, Latin, or Spanish. A double major in German and Latin with English as a minor is also recommended. Additional hours for electives may be gained from basic courses credited from secondary school. Recommended electives are English 363-364, Philosophy 101, Art 111-112, Music 110-114-117, advanced German courses not included in the minimum program, and other language and literature courses. At least 4 hours of electives are recommended from German 210, 251, 331, 332, 252, 281, 260, 291, 292, 315, and 320.

A geography class at University High School



Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
German 103—Intermediate Course ¹	4	German 104 —Intermediate Course ³	4
Speech 101—Principles of Effective Speaking	3	Psych. 100—Introduction to Psychology	4
or Speech 141—Oral Interpretation of Literature ²	2	Music 114—Appreciation of Music	2
Ed. 100—The American Public School	2	or Art 112—Introduction to Renaissance and Modern Art	3
Music 110—Appreciation of Music	2	Physical Education	1
or Art 111—Introduction to Ancient and Medieval Art	3	Military Science (men)	1
or Engl. 363—Introduction to Comparative Literature	3	Electives	6
Science or Mathematics	3		
Physical Education	1		
Military Science (men)	1		
Electives	2-3		
<i>Total</i>	16-18	<i>Total</i>	17-19

Third Year

German 210—Masterpieces of German Literature	3	German 251, 252, or 260—Course in Modern Fiction, Modern Drama, or Lyrics, and Ballads	3
German 211—Conversation and Writing ³	2	German 212—Conversation and Writing ³	2
Pol. Sci. 150—American Government: Organization and Powers	3	Hist. 152—History of the U.S., 1828-1950	3
Ed. 109—Educational Psychology	3	Ed. 240—Principles of Secondary Education	3
Electives	6	Electives	6
<i>Total</i>	17	<i>Total</i>	17

Fourth Year

German 246—Advanced Conversation and Writing ³	2	German 302—German Literature Since the 18th Century ⁴	3
German 281—Teachers' Course	2	Ed. 242—Educational Practice in Secondary Education (Sec. Q)	5
German 301—German Literature to the Eighteenth Century ⁴	3	Ed. 241—Technic of Teaching in the Secondary School	3
Electives	9	Electives	5
<i>Total</i>	16	<i>Total</i>	16

¹ Students must take German 103 and 104, or 144.

² Students who take D.G.S. 111-112 are not required to take Speech 101 or 141.

³ At least six hours must be selected from German 211, 212, 246.

⁴ At least six hours must be selected from German 311, 312, 331, 332, 301, 302, 291, 292, 315 and 320.

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Fifth Year

For the Degree of Master of Arts in the Teaching of German

The work will be planned to meet the needs of the individual student on the basis of his preparation and the demands of his teaching position. Since all the classes he attends will be small, special attention will always be given his professional needs.

Courses are to be chosen from the following list: UNITS

German 301—German Literature to the Eighteenth Century	1
German 302—German Literature Since the Eighteenth Century . . .	1
German 311—Goethe	1
German 312—Goethe's <i>Faust</i>	1
German 315—Middle High German	1
German 320—History of German Civilization	1
German 331—German Classics I (Lessing, Herder, and Wieland) . .	1
German 332—German Classics II (Schiller, Kleist, Hölderlin, and Jean Paul)	1
Total to be chosen from above courses	<u>2-2½</u>

	UNITS
German courses open only to graduates (numbered 400 and up) . .	1½-2
Education 409—Advanced Educational Psychology	1
Education 400—Philosophy of Education	1
or Education 302—History of American Education	1
Electives	<u>2</u>
Total	8

Undergraduate Minor in German

	HOURS
German 101-102—Elementary Course	8
German 103—Intermediate Course	4
German 104—Intermediate Course	4
or German 144—Scientific Reading	4
Four hours selected from the following courses:	
German 210—Masterpieces of German Literature	3
German 211—Conversation and Writing	2
German 212—Conversation and Writing	2
German 246—Advanced Conversation and Writing	<u>2</u>
Total	20

Curriculum Preparatory to the Teaching of Latin

For the Degree of Bachelor of Arts in the Teaching of Latin¹

The courses outlined below total 131 to 136 hours. A minimum of 120 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

¹ Students who complete this curriculum may elect to take the degree of Bachelor of Arts in Liberal Arts and Sciences.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Latin 103—Intermediate Latin.....	4	Latin 105—Vergil.....	4
or Latin 104—Ovid ¹	4	Rhet. 102—Rhetoric and Composition..	3
Rhet. 101—Rhetoric and Composition ² ..	3	Science or Mathematics.....	3
Laboratory Science.....	5	Military Science (men).....	1
Military Science (men).....	1	Physical Education.....	1
Physical Education.....	1	Hygiene 102 or 105—Personal and	
Electives ³	4	Environmental Hygiene.....	2
		Electives.....	4
<i>Total</i>	17-18	<i>Total</i>	17-18

Second Year

Latin 201—Plautus, Terence, Catallus..	4	Latin 202—Sallust and Cicero.....	4
Latin 113—Latin Composition.....	2	Latin 114—Latin Composition.....	2
Ed. 100—The American Public School..	2	Psych. 100—Introduction to	
Speech 101—Principles of Effective		Psychology.....	4
Speaking.....	3	Hist. 152—History of the U.S.,	
or Speech 141—Oral Interpretation		1828-1950.....	3
of Literature.....	2	Military Science (men).....	1
Military Science (men).....	1	Physical Education.....	1
Physical Education.....	1	Electives.....	3
Electives.....	5		
<i>Total</i>	16-18	<i>Total</i>	17-18

Third Year

Latin 203—Lucretius and Horace		Latin 204—Horace (<i>Satires</i>) and	
(<i>Odes</i>) ⁴	3	Vergil (<i>Eclogues</i> and <i>Georgics</i>) ⁴	3
Pol. Sci. 150—American Government:		Classics 162—Roman Private Life.....	1
Organization and Powers.....	3	Ed. 109—Educational Psychology.....	3
Latin 311—Advanced Latin Com-		Electives.....	9
position.....	2		
Hist. 383—Roman Republic.....	3		
Electives.....	5		
<i>Total</i>	16	<i>Total</i>	16

¹ The identity of the courses elected in Latin will depend on the student's previous preparation; Latin 103, or 104, is to be elected by those who have offered two units of high school Latin for entrance (the normal case). Students who have not completed two units of Latin in high school should take Latin 101-102 before Latin 103 or 104.

² In lieu of Rhetoric 101 and 102 in the first year, followed by Speech 141 or 101 later, the student may elect D.G.S. 111-112 (Verbal Communication), for 4 hours of credit each semester of the first year.

³ Students are required to complete one teaching minor consisting of a minimum of 16 hours. In addition, the beginning teacher of Latin may need to be prepared to teach a second minor requiring a minimum of 16 hours. Desirable teaching combinations with Latin include a double minor in history and physical education, a double major in Latin and French with a minor in English or history, a double major in Latin and Spanish with a minor in English, a double major in Latin and German with a minor in English. Additional hours for electives may be gained from basic courses credited from secondary school. Recommended electives are Greek 101-102, 201 and 202; History 381; Philosophy 303; and advanced courses in Latin language.

⁴ Students may substitute six semester hours selected from Latin 305, 306, 301 and 302 for Latin 203 and 204.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Classics 101—Mythology of Greece and Rome.....	2	Ed. 242—Educational Practice in Secondary Education (Sec. O).....	5
Ed. 240—Principles of Secondary Education.....	3	Ed. 241—Technic of Teaching in the Secondary School.....	3
Science or Mathematics.....	3	Electives.....	8
Electives.....	8		
<i>Total</i>	16	<i>Total</i>	16

Fifth Year

For the Degree of Master of Arts in the Teaching of Latin

The work will be planned to meet the needs of the individual student on the basis of his preparation and of the demands of his teaching position. Since all the classes he attends will be small, special attention will always be given his professional needs.

Candidates for this degree must earn four units in Latin. At least 2 of these units must be in courses numbered 400 or over; the other 2 units may be chosen in whole or in part from the following list:

	UNITS
Latin 305—Tacitus (<i>Annales</i>) and Juvenal; Latin 306—Martial, Suetonius, and Apuleius; Latin 301—Livy, Tibullus and Propertius; Latin 302—Ovid (<i>Elegy</i>) and Seneca (<i>Epistles</i>)...	4
Ed. 409—Advanced Educational Psychology.....	1
Ed. 400—Philosophy of Education.....	1
or Ed. 302—History of American Education.....	1
Electives.....	2
<i>Total</i>	8

It is strongly recommended that students who have completed one year of Greek as undergraduates take Greek 201 (Xenophon, $\frac{1}{2}$ unit) and 202 (Homer, $\frac{1}{2}$ unit) in their fifth year, and that those who have had no Greek take Greek 101 ($\frac{1}{2}$ unit) and 102 ($\frac{1}{2}$ unit).

Undergraduate Minor in Latin

	HOURS
Latin 101-102—Elementary Latin; or 2 years of high school Latin..	8
Latin 103—Intermediate Latin; or Latin 104—Ovid; or 3 years of high school Latin.....	4
Latin 105—Vergil; or 4 years of high school Latin.....	4
Latin 113 and 114—Latin Composition.....	4
Latin 201—Plautus, Terence, and Catullus; and Latin 202—Sallust and Cicero.....	8

Latin 201 and 202 may be omitted when the study of Latin is begun in College.

Latin 203 (3 hours), in addition to Latin 201 and 202, is required for those entering college with four years of high school Latin.

The total number of hours in Latin required for a minor will thus vary as follows:

	HOURS
a. When Latin is begun in college.....	20
b. When 2 years high school Latin have been accepted for entrance.....	20
c. When 3 years high school Latin have been accepted for entrance.....	16-20
d. When 4 years high school Latin have been accepted for entrance.....	15

Curriculum Preparatory to the Teaching of Mathematics

For the Degree of Bachelor of Science in the Teaching of Mathematics

This curriculum offers training for teachers of high school and junior college courses in beginning and advanced algebra, general mathematics, practical mathematics, plane and solid geometry, trigonometry, and college algebra.

The courses outlined below total 124 to 133 hours. A minimum of 120 hours of credit is required for graduation, not counting the first two years of work in military science and physical education.

Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. Acceptable minors include commercial subjects, biology, general science, chemistry, physics, English, foreign language, social studies, and physical education. Foreign languages acceptable for a teaching minor are French, German, Latin, and Spanish.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Oral and Written Expression ¹	3-4	Oral and Written Expression ¹	3-4
Foreign Language (2nd year) ²	4	Foreign Language (2nd year) ²	4
Freshman Mathematics ³	5	Freshman Mathematics ³	4
Hygiene 102 or 105—Personal and Environmental Hygiene.....	2	Speech 101 or elective ¹	3
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
<i>Total</i>	<u>15-17</u>	<i>Total</i>	<u>15-17</u>

¹ The certification requirement of oral and written expression may be satisfied by either of the following sequences of courses: D.G.S. 111 and 112 or Rhetoric 101 and 102 and Speech 101.

² A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

³ A student who enters the University with 1½ units of High School algebra and 1 unit of plane geometry may satisfy the freshman mathematics requirement by completion of either of the following sequences of courses: Math. 117 and 127 or Math. 112, Math. 114, and Math. 122.

A student who enters the University with 1 unit of High School algebra and 1 unit of plane geometry will satisfy the requirement by completion of the following sequence: Math. 111, Math. 114, and Math. 122.

A student who enters the University without ½ unit in solid geometry must remove this deficiency by either taking Math. 106 or passing a proficiency examination in that course.

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Math. (Calculus) ¹	3 or 5	Math. (Calculus) ¹	3
Biological Science ²	4	Biological Science ²	4
Humanities ³ or Social Science ⁴	4	Humanities ³ or Social Science ⁴	4
Ed. 100—The American Public School.....	2	Psych. 100—Introduction to Psychology ² or Elective.....	4
Elective.....	2-3	Physical Education.....	1
Physical Education.....	1	Military Science (men).....	1
Military Science (men).....	1		
<i>Total</i>	16-18	<i>Total</i>	16-17

Third Year

Math. 311—Advanced Algebra.....	3	Math. 312—Advanced Algebra.....	3
Ed. 109—Educational Psychology.....	3	Ed. 240—Principles of Secondary Education.....	3
Physical Science ⁵	4-5	Physical Science ⁵	4-5
Hist. 152—History of the U.S., 1828-1950.....	3	Pol. Sci. 150—American Government: Organization and Powers.....	3
Elective.....	3	Elective.....	3
<i>Total</i>	16-17	<i>Total</i>	16-17

Fourth Year

Math. 205—Teachers' Course.....	3	Math. 222—Advanced Aspects of Euclidean Geometry.....	3
Math. 301—Fundamental Concepts of Mathematics.....	3	Math. 302—Fundamental Concepts of Mathematics.....	3
Electives.....	10	Ed. 241—Technic of Teaching in the Secondary School.....	3
		Ed. 242—Educational Practice in Secondary Education.....	5
<i>Total</i>	16	<i>Total</i>	14

¹ Those students who take Math. 117 and 127 during their freshman year should take Math. 137 and 147 during their sophomore year.

Those students who take Math. 112, Math. 114, and Math. 122 or Math. 111, Math. 114, and Math. 122 must take Math. 132 and Math. 142.

² The biological science requirement may be satisfied by completion of one of the following sequences: Physiology 103, Psychology 103; Botany 104, Zoology 104; D.G.S. 131, D.G.S. 132.

Students whose minor teaching subject is *not* General Science or Biology and who elect as their Biological Science Physiology 103-Psychology 103 will have satisfied the prerequisite for Education 109 and are excused from Psychology 100.

Students whose minor teaching subject is either General Science or Biology are required to take Botany 104-Zoology 104 or D.G.S. 131-132 and Psychology 100.

³ The humanities requirement may be satisfied by a minor in the humanities (including foreign language) or by any one of the following sequences: D.G.S. 121 and 122; D.G.S. 161 and 162; English 121 and 122; Humanities 211 and 212; History 111 and 112; History 131 and 132 and a course in English Literature; English 253, 363, and 364; Classics 103, 106 and 101; Classics 103, 106, and 110; Philosophy 101, 102 and 105; Philosophy 303 and 306.

⁴ The social science requirement may be satisfied by a minor in the social sciences or by either of the following sequences: D.G.S. 151 and 152; or Sociology 104 and 105.

⁵ The physical science requirement may be satisfied by a minor in chemistry or by any one of the following sequences: D.G.S. 141 and 142; Physics 101 and 102; Physics 103 and 104.

Fifth Year

For the Degree of Master of Science in the Teaching of Mathematics

Completion of the five-year program of required mathematics courses satisfies the 40-hour requirement for a junior college certificate.

UNITS	UNITS
Math. 317—Introduction to Higher Algebra.....1 or Math. 327—Introduction to Higher Geometry.....1 Mathematics Elective.....1 Ed. 400—Philosophy of Education.....1 or Ed. 302—History of American Education.....1 Elective.....1	Math. 318—Introduction to Higher Algebra.....1 or Math. 328—Introduction to Higher Geometry.....1 Mathematics Elective.....1 Ed. 409—Advanced Educational Psychology.....1 Elective.....1
<u>Total.....4</u>	<u>Total.....4</u>

Undergraduate Minor in Mathematics

HOURS

Math. 117-127—Combined Freshman Mathematics.....9	
Math. 137-147—Calculus.....6	
Math. 301—Fundamental Concepts of Mathematics.....3	
<i>Recommended but not required:</i>	
Math. 302—Fundamental Concepts of Mathematics.....3	
<u>Total.....18-21</u>	

Curriculum Preparatory to the Teaching of Mathematics and the Physical Sciences

For the Degree of Bachelor of Science in the Teaching of Mathematics and the Physical Sciences

This curriculum satisfies the requirements for mathematics as a major teaching subject, with chemistry and physics (also general science) as minor teaching subjects. The courses outlined below total 130 to 136 hours. A minimum of 123 hours of credit, not counting the first two years in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Chem. 101 or 102—General Chemistry.....5 or 3		Chem. 105—Inorganic Chemistry and Qualitative Analysis.....5	
Hygiene 102 or 105—Personal and Environmental Hygiene.....2		D.G.S. 112—Verbal Communication...4	
D.G.S. 111—Verbal Communication...4		Math. 127—Combined Freshman Mathematics.....4	
Math. 117—Combined Freshman Mathematics.....5		English or American Literature.....2	
Physical Education.....1		Physical Education.....1	
Military Science (men).....1		Military Science (men).....1	
<u>Total.....15-18</u>		<u>Total.....16-17</u>	

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Ed. 100—The American Public School.....	2	Psych. 100—Introduction to Psychology.....	4
Chem. 122—Elementary Quantitative Analysis.....	5	Chem. 133—Elementary Organic Chemistry.....	5
Math. 132—Calculus.....	5	Math. 142—Calculus.....	3
Biology.....	4	Biology.....	4
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
<i>Total</i>	17-18	<i>Total</i>	17-18

Third Year

Physics 103—General Physics and Laboratory.....	5	Physics 104—General Physics and Laboratory.....	5
Ed. 109—Educational Psychology.....	3	Pol. Sci. 150—American Government: Organization and Powers.....	3
Hist. 152—History of the U.S., 1828-1950.....	3	Math. 205—Teachers' Course.....	3
Math. 301—Fundamental Concepts of Mathematics.....	3	Ed. 240—Principles of Secondary Education.....	3
Electives.....	2	Math. 302—Fundamental Concepts of Mathematics.....	3
<i>Total</i>	16	<i>Total</i>	17

Fourth Year

Philos. 102—Logic.....	3	Math. 222—Advanced Aspects of Euclidean Geometry.....	3
Ed. 241—Technic of Teaching in the Secondary School.....	3	Philos. 303—History of Greek and Roman Philosophy.....	4
Ed. 242—Educational Practice in Secondary Education (Sec. T).....	5	or Philos. 306—History of Modern Philosophy.....	4
Math. 317—Introduction to Higher Algebra.....	3	Math. 318—Introduction to Higher Algebra.....	3
Physics 341—Electricity and Magnetism.....	3	Physics 342—Electricity and Magnetism.....	3
<i>Total</i>	17	Electives.....	2
		<i>Total</i>	15

Fifth Year

For the Degree of Master of Science in the Teaching of Mathematics and the Physical Sciences

	UNITS		UNITS
Math. 343—Advanced Calculus.....	1	Math. 348—Introduction to Higher	
or Math. 347—Introduction to		Analysis.....	1
Higher Analysis.....	1	or Math. 345—Differential Equa-	
Chem. 240—Elementary Physical		tions and Orthogonal Functions.....	1
Chemistry.....	1	Physics 321—Theoretical Mechanics...1	
Ed. 409—Advanced Educational		Ed. 302—History of American	
Psychology.....	1	Education.....	1
Electives.....	1	or Ed. 400—Philosophy of	
		Education.....	1
		Electives.....	1
<i>Total</i>	4	<i>Total</i>	4

Curriculum Preparatory to the Teaching of Physics

For the Degree of Bachelor of Science in the Teaching of Physics

For students preparing to teach Physical Science with a major in Physics and with minors in Mathematics and Chemistry. Students entering this curriculum should have $2\frac{1}{2}$ units of high school mathematics.

The courses outlined below total 132 to 137 hours. A minimum of 129 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition..3		Rhet. 102—Rhetoric and Composition..3	
Math. 117—Combined Freshman Mathematics.....5		Math. 127—Combined Freshman Mathematics.....4	
Chem. 101 or 102—General Chemistry.....5 or 3		Chem. 105—Inorganic Chemistry and Qualitative Analysis.....5	
Hygiene 102 or 105—Personal and Environmental Hygiene.....2		Psych. 100—Introduction to Psychology.....4	
Physical Education.....1		Physical Education.....1	
Military Science (men).....1		Military Science (men).....1	
Electives.....0 to 2			
<i>Total</i>14-19		<i>Total</i>17-18	

Second Year

Physics 103 or 101—General Physics (Mechanics, Sound and Heat).....5		Physics 104 or 102—General Physics (Electricity, Magnetism, Light and Modern Physics).....5	
Ed. 100—The American Public School..2		Math. 142—Calculus.....3	
Math. 132—Calculus.....5		Chem. 122—Elementary Quantitative Analysis.....5	
Foreign Language ¹4		Foreign Language ¹4	
Military Science (men).....1		Military Science (men).....1	
Physical Education.....1		Physical Education.....1	
<i>Total</i>17-18		<i>Total</i>18-19	

Third Year

Advanced Physics.....5		Advanced Physics.....5	
Pol. Sci. 150—American Government: Organization and Powers.....3		Hist. 152—History of the U.S., 1828-1950.....3	
Chem. 133—Elementary Organic Chemistry.....5		Ed. 240—Principles of Secondary Education.....3	
Ed. 109—Educational Psychology.....3		Math. 301—Fundamental Concepts of Mathematics.....3	
		Speech 101—Principles of Effective Speaking.....3	
		or Speech 141—Oral Interpretation of Literature.....2	
<i>Total</i>16		<i>Total</i>16-17	

¹ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 204, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

Fourth Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Advanced Physics.....	6	Advanced Physics ¹	6
Ed. 241—Technic of Teaching in the Secondary School.....	3	Electives ²	10
Ed. 242—Educational Practice in Secondary Education (Sec. I).....	5		
Electives ²	2		
<i>Total</i>	16	<i>Total</i>	16

Fifth Year

For the Degree of Master of Sciences in the Teaching of Physics

Eight units of work are required, including four in physics, two in education, and two in electives. Courses must be selected with the consent of the adviser, who will see that the candidate strengthens areas in which he is weak. No thesis is required.

	UNITS
Physics.....	4
Ed. 302—History of American Education.....	1
<i>or</i> Ed. 400—Philosophy of Education.....	1
Ed. 409—Advanced Educational Psychology.....	1
Electives.....	2
<i>Total</i>	8

For the Degree of Master of Science in the Teaching of the Physical Sciences

A special program leading to the degree of Master of Science in the Teaching of the Physical Sciences is available to meet the needs of students who wish to study in both chemistry and physics rather than to specialize in one department. It is designed primarily for those preparing to teach the physical sciences in high school. Students working toward a degree under the provisions of this program are expected to seek approximately equal proficiency in both physics and chemistry; those whose undergraduate work has emphasized chemistry should balance this by weighting the graduate work in favor of physics, and vice versa. No thesis is required, and all courses in physics and chemistry which normally give graduate credit will carry credit toward the degree. To qualify for the degree, a student must have had, or must include in his program, at least one course in mathematics beyond the calculus, and for which the calculus is prerequisite.

	UNITS
Physical Science.....	4
Ed. 302—History of American Education.....	1
<i>or</i> Ed. 400—Philosophy of Education.....	1
Ed. 409—Advanced Educational Psychology.....	1
Electives.....	2
<i>Total</i>	8

Undergraduate Minor in Physics

	HOURS
Physics 101 and 102, <i>or</i> 103 and 104—General Physics.....	10
Advanced Physics.....	10
<i>Total</i>	20

¹ Courses in physics for the senior year are to be chosen from those numbered 300 or higher.

² Electives should be chosen from courses listed for advanced undergraduates in chemistry and mathematics, additional courses in advanced physics, and courses in electrical engineering.

Curriculum Preparatory to Teaching Social Studies

For the Degree of Bachelor of Arts in the Teaching of Social Studies¹

The courses outlined below total 129 to 139 hours. A minimum of 120 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition...3 or D.G.S. 111—Verbal Com- munication.....4		Rhet. 102—Rhetoric and Composition...3 or D.G.S. 112—Verbal Com- munication.....4	
D.G.S. 121—History of Civilization ² ...4		D.G.S. 122—History of Civilization ² ...4	
Foreign Language ³4		Foreign Language ³4	
Science or Mathematics.....3		Science or Mathematics.....5	
Hygiene 102 or 105—Personal and Environmental Hygiene.....2		Physical Education.....1	
Physical Education.....1		Military Science (men).....1	
Military Science (men).....1			
<i>Total</i>17-19		<i>Total</i>17-19	

Second Year

Social Studies ⁴6		Social Studies ⁴5	
Pol. Sci. 150—American Government: Organization and Powers.....3		Hist. 152—History of the U.S., 1865-1950.....3	
Foreign Language ³4		Foreign Language ³4	
Electives.....2		Electives.....4	
Physical Education.....1		Physical Education.....1	
Military Science (men).....1		Military Science (men).....1	
<i>Total</i>16-17		<i>Total</i>17-18	

¹ This is a specimen curriculum and may be varied with the advice of the adviser. However, all of the courses listed in the curriculum must be taken at some point in the student's schedule.

² Students may substitute History 111-112—Modern European History; History 131-132—History of England; or, History 181-182—The Ancient World.

³ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

⁴ The social studies requirement is 20 hours in history and 21 hours in social studies fields other than history.

History 151 may be taken to complete the History 151-152 sequence. Students are also required to complete 12-14 hours in advanced courses in history. In these, at least six hours must be offered in American history and at least six hours in European history (Ancient, Medieval, English, or Modern).

In the social studies fields other than history, the 21 hours of work should include at least one course in each of the following: economics, political science, sociology. At least eight hours should be taken in each of two social studies fields: economics, political science, sociology, geography.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Social Studies ¹	5	Social Studies ¹	7
Science or Mathematics.....	3	<i>Any of the following:</i> ³	
Speech 101—Principles of Effective Speaking ²	3	Engl. 101—Introduction to Poetry...3	
Ed. 100—The American Public School..2		Engl. 111—Masterpieces of English Literature.....	3
Psych. 100—Introduction to Psychology.....	4	Philos. 102—Logic.....	3
		D.G.S. 161—Literature and Fine Arts.....	4
		Ed. 109—Educational Psychology....	3
		Electives ⁴	2-3
<i>Total</i>	17	<i>Total</i>	15-17

Fourth Year

Social Studies ¹	6	Social Studies ¹	4-6
Ed. 240—Principles of Secondary Ed....	3	Ed. 241—Technic of Teaching in the Secondary School.....	4
<i>Any of the following:</i> ³		Ed. 242—Educational Practice in Secondary Education.....	5
Engl. 102—Study of the Drama.....	3	Electives.....	2-3
Engl. 112—Masterpieces of English Literature.....	3		
Philos. 321—Ethics and Value Theory.....	3		
D.G.S. 162—Literature and Fine Arts.....	4		
Electives.....	3		
<i>Total</i>	15-16	<i>Total</i>	15-18

Fifth Year

For the Degree of Master of Arts in the Teaching of Social Studies

	UNITS
Social Studies (selected from not more than three of the following: history, political science, economics, geography, sociology, philosophy; at least two units must be taken in history).....	4
Ed. 302—History of American Education ⁵	1
or Ed. 400—Philosophy of Education.....	1
Ed. 409—Advanced Educational Psychology.....	1
Electives.....	2
<i>Total</i>	8

¹ The social studies requirement is 20 hours in history and 21 hours in social studies fields other than history. History 151 may be taken to complete the History 151-152 sequence. Students are also required to complete 12-14 hours in advanced courses in history. In these, at least six hours must be offered in American History and at least six hours in European History (Ancient, Medieval, English, or Modern). In the social studies fields other than history, the 21 hours of work should include at least one course in each of the following: economics, political science, and sociology. At least eight hours should be taken in each of two social studies fields: economics, political science, sociology, geography.

² Students who take D.G.S.111-112 in their freshman year are not required to take Speech 101.

³ Second-year foreign language courses may be used to satisfy this requirement.

⁴ Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. Desirable teaching combinations with social studies include art, commerce, English, French, German, home economics, industrial arts, Latin, mathematics, music, physical education, and Spanish.

⁵ Students who have completed a substantial amount of study in American History are advised to elect Education 400.

Undergraduate Minors in the Social Studies

Other than History

For a minor in the social studies, other than history, a student must complete at least 8 hours of work in each of two of the following subjects: economics, geography, political science, sociology. The minimum total required for a minor is 16 hours.

All, or nearly all, students who earn this teaching minor will have earned teaching majors in the commercial subjects, which require 11 hours of economics, 3 of political science, 3 of economic or commercial geography, and 8 of sociology. These courses satisfy the minimum requirement for teaching civics, community civics, economics, sociology, contemporary problems, and economic or commercial geography in the high school.

Minor in History

For a minor in history, a student must complete 5-6 hours in advanced courses in American History, 8 hours in general European History, and 2-3 hours in one of the following: English, ancient, medieval, or Latin-American History. The minimum total required for a minor is 16 hours.

Curriculum Preparatory to the Teaching of Spanish

For the Degree of Bachelor of Arts in the Teaching of Spanish¹

The courses outlined below total 128 to 135 hours. A minimum of 123 hours of credit, not counting the first two years of military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Spanish 101—Elementary Spanish	4	Spanish 102—Elementary Spanish	4
Rhet. 101—Rhetoric and Composition . . 3		Rhet. 102—Rhetoric and Composition . . 3	
or D.G.S. 111—Verbal Com-		or D.G.S. 112—Verbal Com-	
munication	4	munication	4
Laboratory Science	5	Science or Mathematics	3
Physical Education	1	Hygiene 102 or 105—Personal and	
Military Science (men)	1	Environmental Hygiene	2
Electives ²	3	Physical Education	1
		Military Science (men)	1
		Electives	3
<i>Total</i>	16-18	<i>Total</i>	16-18

Second Year

Spanish 103—Intermediate Spanish	4	Spanish 104—Intermediate Spanish	4
Ed. 100—The American Public School . . 2		Psych. 100—Introduction to	
Pol. Sci. 150—American Government:		Psychology	4
Organization and Powers	3	Hist. 152—History of the U.S.,	
Speech 101—Principles of Effective		1828-1950	3
Speaking	3	Physical Education	1
or Speech 141—Oral Interpretation		Military Science (men)	1
of Literature ³	2	Electives	4
Military Science (men)	1		
Physical Education	1		
Electives	4		
<i>Total</i>	16-18	<i>Total</i>	16-17

¹ Students who complete this curriculum may elect to take the degree of Bachelor of Arts in Liberal Arts and Sciences.

² Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. In addition, the beginning teacher of Spanish may need to be prepared to teach a second minor, requiring a minimum of 16 hours. Minor teaching subjects which constitute desirable teaching combinations with Spanish include English, Latin, and history. A double major in Spanish and English with no minor and a double major in Spanish and Latin with a minor in English are also recommended. Recommended electives are Spanish 301-302, 321-322, 303-304, History 376, English 113, 114, 131, 363, 355-356, Rhetoric 133.

³ Students who take D.G.S.111-112 are not required to take Speech 101 or 141.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Spanish 201—Introduction to Spanish Literature.....	3	Spanish 202—Introduction to Spanish Literature.....	3
Spanish 211—Intermediate Composition and Conversation.....	3	Spanish 212—Intermediate Composition and Conversation.....	3
Soc. Sci. 101—Latin-American Civilization ¹	3	Ed. 240—Principles of Secondary Education.....	3
Ed. 109—Educational Psychology.....	3	Electives.....	8
Science.....	3		
Electives.....	2		
<i>Total</i>	17	<i>Total</i>	17

Fourth Year

Spanish 215—Spoken Spanish.....	4	Spanish 352—Syntax.....	2
Spanish 351—Phonetics.....	2	Ed. 242—Educational Practice in Secondary Education (Sec. P).....	5
Electives.....	9	Ed. 241—Technic of Teaching in the Secondary School.....	3
		Electives.....	5
<i>Total</i>	15	<i>Total</i>	15

Fifth Year

For the Degree of Master of Arts in the Teaching of Spanish

The exact character of the work in the fifth year will be determined by the particular experience and needs of the individual student. Each program will be worked out in individual conferences between the adviser in the major field and the student.

	UNITS
Spanish (middle group courses, 1-2 units; graduate courses, 2-3 units).....	4
Ed. 302—History of American Education.....	1
or Ed. 400—Philosophy of Education.....	1
Ed. 409—Advanced Educational Psychology.....	1
Electives.....	2
<i>Total</i>	8

Undergraduate Minor in Spanish

	HOURS
Spanish 101-102—Elementary Spanish.....	8
Spanish 103-104—Intermediate Spanish.....	8
Spanish 113-114—Elementary Composition and Conversation.....	4
<i>Total</i>	20

¹ Social Science 102 may be taken instead of Social Science 101. One semester of credit earned in either Social Science 101 or 102 may be counted toward the Spanish major.

Curriculum Preparatory to the Teaching of Speech

For the Degree of Bachelor of Arts in the Teaching of Speech

This program is designed to give the teacher a foundation in three areas of instruction: public speaking, theatre arts, and remedial speech. The courses outlined below total 130 to 136 hours. A minimum of 128 hours of credit, not counting the first two years of work in military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Speech 101—Principles of Effective Speaking.....3		Speech 141—Oral Interpretation of Literature.....2	
Rhet. 101—Rhetoric and Composition...3		Rhet. 102—Rhetoric and Composition...3	
or D.G.S. 111—Verbal Communication.....4		or D.G.S. 112—Verbal Communication.....4	
Foreign Language ¹4		Foreign Language ¹4	
Science or Mathematics ²3		Science or Mathematics ²3	
Military Science (men).....1		Hygiene 102 or 105—Personal and Environmental Hygiene.....2	
Physical Education.....1		Military Science (men).....1	
Electives ³2		Physical Education.....1	
<i>Total</i>	16-18	<i>Total</i>	15-17

Second Year

Speech 161—Fundamentals of Acting...3		Speech 117—Argumentation.....3	
Foreign Language ¹4		Psych. 100—Introduction to Psychology.....4	
Ed. 100—The American Public School...2		Foreign Language ¹4	
Pol. Sci. 150—American Government: Organization and Powers:.....3		Hist. 152—History of the U.S., 1865-1950.....3	
English Literature Elective ⁴3		Military Science (men).....1	
Military Science (men).....1		Physical Education.....1	
Physical Education.....1		Electives.....2	
<i>Total</i>	16-17	<i>Total</i>	17-18

¹ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

² Six semester hours of natural science are required. The courses in biological science and physical science in the Division of General Studies are especially recommended.

³ Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. In addition, beginning teachers of speech may need to complete a second teaching minor of 16 semester hours.

⁴ The following courses in English Literature are especially recommended: English 101, 102, 131, and 281, or Rhetoric 246.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Speech 157—Elements of Stagecraft....	4	Speech 221—Persuasion.....	3
Speech 301—Introduction to Phonetics..	3	Ed. 240—Principles of Secondary	
Ed. 109—Educational Psychology.....	3	Education.....	3
English Literature elective ¹	3	English Literature elective ¹	3
Electives.....	3	Electives.....	8
<i>Total</i>	16	<i>Total</i>	17

Fourth Year

Speech 208—Classroom Problems in		Speech 247—Teaching of Speech ²	5
Speech Correction.....	3	(Same as Education 247)	
Speech 255—Play Directing.....	3	Ed. 242—Educational Practice in	
Speech 375—Speech Science.....	3	Secondary Education ²	5
Electives.....	8	Electives.....	6
<i>Total</i>	17	<i>Total</i>	16

Fifth Year

For the Degree of Master of Arts in the Teaching of Speech

A. PUBLIC SPEAKING

UNITS	UNITS
Speech 423—The Rhetoric of Aristotle...1	Speech 322—Modern Rhetorical
Speech Elective.....1	Theory, 1890 to the Present..... ½
Ed. 409—Advanced Educational	<i>One and one-half units chosen from the</i>
Psychology.....1	<i>following:</i> 1½
Electives.....1	Speech 311—British Public Address
	Speech 312—American Public Address
	Speech 321—Modern Rhetorical
	Theory, 1700 to 1890
	Ed. 400—Philosophy of Education.....1
	or Ed. 302—History of American
	Education.....1
	Electives.....1
<i>Total</i>4	<i>Total</i>4

B. THEATRE ARTS

Speech 361, 362—History of the Euro-	Speech 352—Theories of Play
pean Theatre; or 366—Development	Production.....1
of the American Theatre.....1	Speech 451—Problems in Play
Speech 452—Problems in Play	Directing in the School Theatre.....1
Production in the School Theatre....1	Ed. 400—Philosophy of Education.....1
Ed. 409—Advanced Educational	or Ed. 302—History of American
Psychology.....1	Education.....1
Electives ³1	Electives ³1
<i>Total</i>4	<i>Total</i>4

¹ The following courses in English Literature are especially recommended: English 101, 102, 131, 281, Rhetoric 246.

² May be taken during the first semester.

³ Recommended electives are advanced courses in Speech; English 215, 335, 336, 281, 431.

Undergraduate Minor in Speech

HOURS

Speech 101—Principles of Effective Speaking.....	3
Speech 141—Oral Interpretation of Literature.....	2
Speech 117—Argumentation.....	3
Speech 161—Fundamentals of Acting.....	3
Speech 206—Teaching of Speech.....	2
Speech 301—Introduction to Phonetics.....	3
<i>Total</i>	16



Globe Theatre replica stage, Lincoln Hall, University of Illinois

Curriculum Preparatory to Speech Correction Work

For the Degree of Bachelor of Science in Speech Correction

The courses outlined below total 134 to 139 hours. A minimum of 128 semester hours of credit, not counting the first two years of military science and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition ¹ ...	3	Rhet. 102—Rhetoric and Composition ¹ ...	3
Speech 105—Voice and Articulation....	2	Speech 101—Principles of Effective Speaking.....	3
Physiol. 102—Mammalian Physiology ²	5	Language ³	4
Language ³	4	Hygiene 102 or 105—Personal and Environmental Hygiene.....	2
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
Electives ⁴	2	Electives ⁴	3
<i>Total</i>	<u>17-18</u>	<i>Total</i>	<u>16-17</u>

Second Year

Ed. 100—The American Public School...	2	Ed. 109—Educational Psychology.....	3
Psych. 100—Introduction to Psychology ²	4	Hist. 152—History of the U.S., 1828-1950.....	3
Pol. Sci. 150—American Government: Organization and Powers.....	3	English ⁵	3
English ⁵	3	Soc. 110—Social Factors in Personality ⁶	3
Soc. 100—Principles of Sociology ⁶	3	Physical Education.....	1
Physical Education.....	1	Military Science (men).....	1
Military Science (men).....	1	Electives ⁷	3
<i>Total</i>	<u>16-17</u>	<i>Total</i>	<u>16-17</u>

¹ In lieu of Rhetoric 101 and 102 in the first year, followed by Speech 101 or 141 later, the student may elect D.G.S. 111-112 for 4 hours of credit each semester of the first year.

² Chemistry 101, Zoology 101, D.G.S. 131-132 or 141-142 may be chosen. Physiology 101 or its equivalent in a basic course will, in exceptional cases, be accepted to satisfy this requirement. Psychology 103 and Physiology 103 will be accepted in lieu of Physiology 102 and Psychology 100.

³ A reading knowledge of a foreign language (French, German, Greek, Italian, Latin, Portuguese, or Spanish) equivalent to that resulting from four semesters of study of a foreign language commenced in college is required. This requirement is satisfied by passing French 104, German 104 or 144, Greek 202, Italian 104, Latin 104, Portuguese 104, Spanish 104, or a more advanced course in any of these languages.

Note: No credit toward graduation is given for a beginning course in a foreign language unless it is continued through a full year. Completion of the second year of a foreign language will satisfy the graduation requirement if the same foreign language is pursued in the University as is offered for entrance.

⁴ Electives recommended: Speech 141, 111, 117 or another course approved by the adviser.

⁵ At least 6 semester hours of English are required. The following courses are recommended: English 101, 102; 111, 112; 113, 114; 122, 121; 131.

⁶ D.G.S. 151 and 152, S.W.A. 220 or 221 may be chosen.

⁷ Electives recommended: D.G.S. 161; Sociology 100 or 110; Language: Conversation; English 122, 121; Speech 117, 161, or 221.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Speech 301—Introduction to Phonetics...3		Speech 376—Speech Science.....3	
Speech 375—Speech Science.....3		Ed. 317—Exceptional Children.....3	
Psych. 216—Child Psychology.....3		or Psych. 360—Psychology of	
or Home Econ. 201—The Child and		Exceptional Children.....3	
His Development.....3		Physiol. 106—Physiology of the	
or Ed. 334—Child Development and		Nervous System and the Special	
Implications for Education.....2		Senses.....3	
Ed. 218—Remedial Reading in the Ele-		Speech 393—Aural Rehabilitation....3	
mentary School; or Ed. 219—Reme-		Electives ¹5	
dial Reading in the High School....3			
Speech 391—Introduction to Hearing			
Disorders.....3			
Electives ¹3			
<i>Total</i>17-18		<i>Total</i>17	

Fourth Year

Speech 385—Speech Correction with		Speech 388—Speech Correction with	
Laboratory.....4		Laboratory.....4	
Ed. 220—Educational Practice in the		Ed. 220—Educational Practice in the	
Education of Exceptional Children		Education of Exceptional Children	
(Sec. B).....3		(Sec. C).....3	
Ed. 231 or 241—Technic of Teaching...3		Psych. 338—Abnormal Psychology...3	
Speech 379—Audiometry.....3		or Psych. 150—Character and	
Psych. 286—Clinical Psychology.....3		Personality.....3	
Electives ¹2		Electives ¹7	
<i>Total</i>18		<i>Total</i>17	

Fifth Year

For the Degree of Master of Science in Speech Correction

The following prerequisites are necessary for graduate standing in the curriculum for the degree of M.S. in Speech Correction: 14 hours of Speech, including courses in Aural Rehabilitation, Speech Correction and Clinical Practice; courses in General Psychology, Child Psychology, and Clinical Psychology; 8 hours of Physiology, including a course in the Physiology of the Nervous System and the Special Senses; courses in Education sufficient to meet requirements for an Illinois Teacher's Certificate.

4 units in Speech, including

Speech 489	Seminar in Speech Correction
Speech 488	Diagnosis of Speech Disorders
Speech 493-494	Research in Special Topics

2 units in Education

Education 409	Advanced Educational Psychology
Education 400	Philosophy of Education
or	
Education 302	History of American Education

¹ Electives recommended: Library Science 303; S.W.A. 220, 221; P.E.W. 206; Psychology 135; Psychology 150; Home Economics 205; Speech 208.

½-1 unit in Physiology selected from the following:

Physiology 306	Advanced Mammalian Physiology
Physiology 363	Endocrinology

½-1 unit in Psychology selected from the following:

Psychology 465	Practice in Psychological Testing
Psychology 404	Physiological Psychology
Psychology 412	Advanced Child Psychology
Psychology 471	Psychological Counseling and Psychotherapy
Psychology 360*	Psychology of Exceptional Children

Electives recommended:†

Education 317	Exceptional Children
Education 410	Mental Hygiene and the School
Education 495	Educational Measurements
Education 426	Diagnostic and Remedial Programs of the School
Education 418	Seminar in Education of Exceptional Children
Speech 379	Audiometry
S.W.A. 411	Social Case Work
Zoology 351-352	Genetics

* Courses taken at the undergraduate level may not be repeated for graduate credit in the fifth year.

† Under special circumstances, other courses may be substituted with the approval of the adviser.

A speech correction class at the University of Illinois



LIBRARY SCHOOL

The Library School offers courses for *teacher-librarians* who must have a minimum of 8 hours of library science to qualify for positions in Illinois, and a full professional training leading to a Master's degree in library science for students preparing to be *school-librarians*.

The teacher-librarian program consists of the following courses:

	HOURS
Lib. Sci. 253—Organization and Operation of the School Library...	3
Lib. Sci. 303—Library Materials for Children	3
Lib. Sci. 304—Library Materials for Adolescents.....	3
<i>Total</i>	9

Students preparing for positions as *school-librarians* should complete before entrance into the fifth year of professional training:

A. Prescribed Subjects:

(a) Library Science Courses.—A minimum of 18 hours in library science, chosen from the following courses: Library Science 201, *Library in the Social Order*, 3 hours; Library Science 202, *Use of Books and Libraries*, 3 hours; Library Science 251, *Organization and Operation of Libraries I*, 3 hours; Library Science 252, *Organization and Operation of Libraries II*, 3 hours; Library Science 301, *Humanistic and Social Science Literature*, 3 hours; Library Science 302, *Literature of Science and Technology*, 3 hours; Library Science 303, *Library Materials for Children*, 3 hours; Library Science 304, *Library Materials for Adolescents*, 3 hours.

(b) Non-Library Science Courses.—By the end of the senior year, students should have completed a basic introductory course in each of the following subjects: sociology, psychology, education, American government, public administration, and economics. Also students should note carefully the foreign language requirement for admission to the master's program. All of these subjects may be counted either as electives or, when applicable, in computing the hours in the subject of specialization below.

B. Subjects of Specialization

Students must specialize in two subjects selected from the following list. Each student must complete at least 20 hours of approved courses in his major subject of specialization. In his minor subject of specialization the student must complete at least 16 hours of approved courses. Either the major or minor subject of specialization should be education. In computing the hours in the subjects of specialization, courses taken in other colleges prior to admission may be counted. Other subjects not included below may, if acceptable to the Library School, be offered toward meeting this requirement.

Agriculture	English	Mathematics
Art and Architecture	Engineering	Musicology
Biological Science	Foreign Languages	Philosophy
Business Administration	Geography and Geology	Physical Sciences
Chemistry	History	Political Science
Classics	Journalism	Psychology
Economics	Law	Sociology
Education		

C. Electives

The remainder of the curriculum may be elected from courses offered by other colleges and schools in the University as approved by the Director or Assistant Director of the Library School.

Program of Study

Each student's program is planned individually in consultation with the Assistant Director or other designated officer of the School. The student's special abilities and pre-professional training, his interests, and probable professional future form the basis for selecting his course of study.



Boys' Physical Education class at University High School

Students entering the Library School in the junior year will take in addition to their non-library courses the Library Science courses listed below:

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Library in the Social Order (202)	3	Use of Books and Libraries (201)	3

Fourth Year

Organization and Operation of Libraries I (251)	3	Organization and Operation of Libraries II (252)	3
Library Materials for Children (303)	3	Library Materials for Adolescents (304)	3

Students entering in the senior year will combine the third and fourth year programs taking three Library Science courses each semester.

SCHOOL OF PHYSICAL EDUCATION

Curriculum in Physical Education for Men

For the Degree of Bachelor of Science in Physical Education

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
<i>Group A</i> ¹		<i>Group A</i> ¹	
P.E.M. 151—Beginning Basketball . . .	2	P.E.M. 151—Beginning Basketball . . .	2
P.E.M. 152—Beginning Football	2	P.E.M. 152—Beginning Football	2
<i>Group B</i>		<i>Group B</i>	
P.E.M. 153—Physical Conditioning Programs	2	P.E.M. 153—Physical Conditioning Programs	2
P.E.M. 154—Swimming	2	P.E.M. 154—Swimming	2
P.E.M. 150—Professional Orientation . .	2	Rhet. 102—Rhetoric and Composition . .	3
Rhet. 101—Rhetoric and Composition . .	3	Speech 101—Principles of Effective Speaking	3
Physiol. 104—Physiological Anatomy . .	5	Physiol. 105—Physiological Anatomy . .	5
Hygiene 105—Personal and Environ- mental Hygiene	2	Hygiene 110—Public Health	2
Military Science	1	Military Science	1
<i>Total</i>	17	<i>Total</i>	18

¹ In each of the first two years, students who take Group A the first semester will take Group B the second semester, and those who take Group B the first semester will take Group A the second semester.

Second Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
<i>Group A¹</i>		<i>Group A¹</i>	
P.E.M. 155—Gymnastics.....	2	P.E.M. 155—Gymnastics.....	2
P.E.M. 156—Track and Field.....	2	P.E.M. 156—Track and Field.....	2
<i>Group B</i>		<i>Group B</i>	
P.E.M. 157—Outdoor Recreational Sports.....	2	P.E.M. 157—Outdoor Recreational Sports.....	2
P.E.M. 158—Indoor Recreational Sports.....	2	P.E.M. 158—Indoor Recreational Sports.....	2
P.E.M. 159—Camp Counseling.....	3	P.E.M. 160—Health Problems of School Children.....	3
Hist. 152—History of the United States, 1828-1950.....	3	Psych. 100—Introduction to Psychology.....	4
Ed. 100—The American Public School..	2	Military Science.....	1
Military Science.....	1	Humanities Elective.....	2
Teaching Minor ²	3	Teaching Minor ²	3
<i>Total</i>	16	<i>Total</i>	17

Third Year

Pol. Sci. 150—American Government: Organization and Powers.....	3	Ed. 240—Principles of Secondary Ed...3	
Ed. 109—Educational Psychology.....	3	P.E.M. 203—Principles of Recreation..3	
P.E.M. 202—Safety Education.....	2	P.E.M. 210—Inspection Trip.....	0
P.E.M. 201—First Aid.....	2	Teaching Minor.....	3
Teaching Minor.....	3	P.E.M. Elective.....	3
P.E.M. Elective.....	3	Elective.....	4
<i>Total</i>	16	<i>Total</i>	16

Fourth Year

Ed. 241—Technic of Teaching in the Secondary School.....	3	Ed. 242—Educational Practice in Secondary Education.....	3
Ed. 242—Educational Practice in Secondary Education.....	3	P.E.M. 204—Curriculum in Physical Education.....	3
P.E.M. Elective.....	2	P.E.M. 205—Tests and Measurements in Health, Physical Education and Recreation.....	3
Electives.....	7	Electives.....	6
<i>Total</i>	15	<i>Total</i>	15

Fifth Year (Men and Women)

For the Degree of Master of Science in Physical Education

Major

The graduate program leading to the degree of Master of Science in Physical Education offers two options: Option 1 is for students who propose to specialize in the areas of physical education, sports, health, safety, physical fitness, rehabilitation, recreation, and camping. Option 2 is for students who propose to teach and/or administer these programs in the elementary school, high school, and junior college.

¹ In each of the first two years, students who take Group A the first semester will take Group B the second semester, and those who take Group B the first semester will take Group A the second semester.

² Students are required to complete one teaching minor consisting of a minimum of 16 hours.

Admission Requirements: For Option 1 the admission requirements are 30 hours of approved undergraduate credit in physical education (candidates with experience in physical education may receive partial credit toward admission up to a maximum of eight hours); eighteen hours of credit in approved undergraduate work in science; and a course in the theory of tests and measurements or a course in theory of statistics. For Option 2, in addition to the above, 16 hours of approved undergraduate credit in education are required.

Graduation Requirements: The graduation requirements for Option 1 are a total of 8 units of credit, including a minimum of 4 units of credit in physical education courses; registration in and satisfactory completion of P.E. 490; and presentation of an acceptable thesis (2 units). Candidates may petition to waive the thesis requirements. Those who are excused, however, in addition to securing 8 units of credit in courses, are required to take and pass a final comprehensive examination (oral or written) in physical education. For Option 2, same as above except that 2 units of graduate credit in education, including Education 409 (one unit), are required.

Minor

Graduate students who choose physical education as a minor must present twenty hours of credit in approved undergraduate work in physical education (candidates with experience in physical education or allied fields may receive partial credit toward admission up to a maximum of 8 hours) and twelve hours of credit in approved undergraduate work in science. At least 2 units of satisfactory credit in physical education must be completed for a minor.

<i>Courses</i>	<i>UNITS</i>
P.E. 400—Problems in Public Health.....	1
P.E. 401—Problems in Physical Education.....	1
P.E. 402—Problems in Safety Education.....	1
P.E. 403—Problems in Health Education.....	1
P.E. 404—Problems in Recreation.....	1
P.E. 406—Philosophy of Sport.....	1
P.E. 407—Sports Psychology.....	1
P.E. 450—Trends and Technics in Rehabilitation.....	1
P.E. 451—Scientific Foundations of Physical Fitness.....	1
P.E. 452—Scientific Analysis of Physical Education Activities.....	1
P.E. 490—Seminar.....	no credit
P.E. 491-492—Thesis.....	4
P.E. 493-494—Research.....	1½-2
P.E. 495—Technics of Research in Physical Education.....	1

Undergraduate Minor in Physical Education for Men

	<i>HOURS</i>
Hygiene 105—Personal and Environmental Hygiene.....	2
P.E.M. 160—Health Problems of School Children.....	3
P.E.M. 201—First Aid.....	2
P.E.M. 204—Curriculum in Physical Education; or P.E.M. 208—Organization of Extracurricular Sports.....	3
Electives (10 hours chosen from activity courses; 4 of these hours may be in the general service courses).....	10
<i>Total</i>	20

Curriculum in Physical Education for Women

For the Degree of Bachelor of Science in Physical Education

The degree of Bachelor of Science in Physical Education is conferred on students who successfully complete a total of 130 semester hours.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Rhet. 101—Rhetoric and Composition...3 or D.G.S. 111—Verbal Com- munication.....4		Rhet. 102—Rhetoric and Composition...3 or D.G.S. 112—Verbal Com- munication.....4	
Zool. 101—General Zoology.....5		P.E.W. 155—Physical Education Practice (rhythms, basketball, and softball).....2	
P.E.W. 150—Physical Education Practice (orientation, hockey, gymnastics).....2		Bot. 100—Introductory Botany ¹3	
P.E.W. 110, 111, or 112—Swimming...1		Engl. 102, Foreign Language, or Science.....3-4	
Hygiene 102—Personal and Environ- mental Hygiene.....2		Electives ²4	
Engl. 101, Foreign Language, or Science.....3-4			
<i>Total</i>	16-18	<i>Total</i>	15-17

Second Year

Hist. 152—History of the U.S., 1828-1950.....3		Pol. Sci. 150—American Government: Organization and Powers.....3	
Speech 101—Principles of Effective Speaking.....3		Physiol. 105—Physiological Anatomy...5	
Physiol. 104—Physiological Anatomy...5		P.E.W. 162—Physical Education Practice (folk dancing, stunts, tumbling, and tennis).....2	
P.E.W. 160—Physical Education Practice (tap dancing, soccer, advanced gymnastics, apparatus)....2		P.E.W. 165—Technic of Teaching Swimming.....2	
Ed. 100—The American Public School..2		Psych. 100—Introduction to Psychology.....4	
Electives ³2		Electives ³2-3	
<i>Total</i>	17	<i>Total</i>	18-19

¹ A teaching minor in the biological sciences is recommended. For this Bot. 100 is required. Students who do not wish to minor in the biological sciences may substitute, with the approval of the adviser, another course in science.

² Students are required to complete one teaching minor consisting of a minimum of 16 semester hours. In addition, the beginning teacher of physical education may need to be prepared to teach a second minor requiring a minimum of 16 hours. Minor teaching subjects which constitute desirable teaching combinations with physical education include: biological science and chemistry; biological science and general science; biological science and physics; chemistry and general science, and general science and physics.

Recommended electives: In Social Science — Econ. 108, Geog. 104, Hist. 111-112, Philos. 101 and 105, Pol. Sci. 110, Psych. 155, Sociol. 100; in Physical Education for Women — P.E.W. 114, 159, 166, 142.

Students who are majoring in physical education for women may take a minor in Recreation. Courses to be taken are: P.E.W. 159, Physical Education Practice, 2 sem. hrs., Crafts (elective) 2 sem. hrs., P.E.M. 203 — Principles of Recreation, 3 sem. hrs., and P.E.W. 211 — Social and Recreational Activities, 2 sem. hrs.

³ P.E.W. 211 is especially recommended.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Ed. 109—Educational Psychology.....	3	Ed. 240—Principles of Secondary Education.....	3
P.E.W. 200—Games for School and Playground.....	2	P.E.W. 210—Rhythmic Analysis.....	3
P.E.W. 212—Group Dancing.....	2	P.E.W. 214—Physical Education Practice (volleyball and archery)....	1
P.E.W. 202—Technic of Teaching Sports ¹	4	P.E.W. 204—Technic of Teaching Sports.....	4
P.E.W. 206—Kinesiology.....	4	P.E.W. 208—Tests and Measurements ²	3
Electives.....	2	Electives.....	2
<i>Total</i>	<u>17</u>	<i>Total</i>	<u>16</u>

Fourth Year

Ed. 241—Technic of Teaching.....	3	P.E.W. 220—Organization and Administration of Physical Education..	2
Ed. 242—Educational Practice in Secondary Education ²	3	P.E.W. 224—Physical Education Practice (bowling and golf).....	1
P.E.W. 222—Physical Education Practice (speedball and badminton)..	1	Ed. 242—Educational Practice in Secondary Education ³	3
P.E.W. 226—Theory of Individual and Remedial Gymnastics.....	3	P.E.W. 228—School Health and First Aid.....	4
Electives.....	5	Electives.....	6
<i>Total</i>	<u>15</u>	<i>Total</i>	<u>16</u>

¹ Students who wish additional work in the dance should substitute P.E.W. 240, History of the Dance, 2 semester hours, P.E.W. 242, Dance Composition, 2 semester hours, P.E.W. 244, Dance Curriculum in the Secondary Schools, 3 semester hours, for P.E.W. 202, 4 semester hours, and P.E.W. 208, 3 semester hours.

² One semester is spent in elementary school teaching where the student teacher has complete charge of a class 2 to 3 hours a week and observes elementary school methods of organization and teaching two hours. The other semester is spent in high school where she teaches three hours and observes two hours a week. In both situations, the student teacher makes her own plans, carries them through, aids in program construction, and receives regular supervision.



Having fun in the swimming pool — women's physical education

Fifth Year

For the Degree of Master of Science in Physical Education (See page 74)

Undergraduate Minor in Physical Education for Women

	HOURS
P.E.W. 105—Elementary Rhythms	1
P.E.W. 121—Soccer	1
P.E.W. 123—Basketball	1
P.E.W. 124—Volleyball	1
P.E.W. 125—Softball	1
P.E.W. 143—American Square Dance; <i>or</i> P.E.W. 212—Group Dancing	1-2
P.E.W. 144—Elementary Folk Dance	1
P.E.W. 159—Physical Education Practice (Recreation and Camp Leadership); <i>or</i> P.E.W. 211—Social and Recreational Activities . . .	2
P.E.W. 200—Games for School and Playground	2
P.E.W. 222—Physical Education Practice (Speedball and Badminton)	1
P.E.W. 228—School Health and First Aid	4
<i>Total</i>	16-17

CURRICULUM IN PHYSICAL EDUCATION FOR WOMEN

*For the Degree of Bachelor of Science in Physical Education
Dance Curriculum*

The degree of Bachelor of Science in Physical Education with specialization in Dance is conferred on students who successfully complete a total of 130 semester hours as summarized below:

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
P.E.W. 105—Elementary Rhythms	1	P.E.W. 106—Intermediate Rhythms	1
P.E.W. 120, 121, 122, 123, 124, or 125 (Team Sport)	1	P.E.W. 110, 111, 112, or 113 (Swimming)	1
Hygiene 102—Personal and Environ- mental Hygiene	2	P.E.W. 130, 131, 132, 133, 134, or 135 (Individual Sport)	1
Rhet. 101—Rhetoric and Composition . . .	3	Rhet. 102—Rhetoric and Composition . . .	3
<i>or</i>		<i>or</i>	
D.G.S. 111—Verbal Communication	4	D.G.S. 112—Verbal Communication	4
Music 100—Rudiments of Theory	2	Speech 101—Principles of Effective Speaking	3
Engl. 101—Types of Poetry	3	Engl. 102—Study of the Drama	3
Electives ¹	3 or 4	Electives	2 or 3
<i>Total</i>	16-17	<i>Total</i>	15-16

Second Year

P.E.W. 209—Advanced Rhythms	1	P.E.W. 211—Social Recreation Activities	2
P.E.W. 210—Rhythmic Analysis	3	P.E.W. 242—Dance Composition	2
Ed. 100—The American Public School . . .	2	Psych. 100—Introduction to Psychology	4
Hist. 152—History of the U.S., 1865-1950	3	Pol. Sci. 150—American Government; Organization and Powers	3
Physiol. 104—Physiological Anatomy . . .	5	Physiol. 105—Physiological Anatomy . . .	5
Speech 161—Fundamentals of Acting . . .	3		
<i>Total</i>	17	<i>Total</i>	16

¹ Students are required to complete one teaching minor consisting of a minimum of 16 semester hours.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
P.E.W. 206—Kinesiology.....	4	P.E.W. 243—Rhythmic Activities for Children (New).....	2
P.E.W. 212—Group Dancing.....	2	P.E.W. 244—Dance Curriculum in the Secondary Schools.....	3
P.E.W. 240—History of Dance.....	2	Ed. 240—Principles of Secondary Education.....	3
P.E.W. 241—Percussion (New).....	2	Speech 157—Elements of Stagecraft... .	4
Ed. 109—Educational Psychology.....	3	Electives.....	4
Electives.....	4		
<i>Total</i>	17	<i>Total</i>	16

Fourth Year

P.E.W. 226—Theory of Individual and Remedial Gymnastics.....	3	P.E.W. 220—Organization and Administration.....	2
P.E.W. 245—Dance Production Workshop (New).....	3	P.E.W. 246—Theory and Philosophy of Dance (New).....	2
Ed. 241—Technic of Teaching in the Secondary School.....	3	Ed. 242D—Educational Practice in Secondary Education.....	3
Ed. 232D—Educational Practice in Elementary Education.....	3	Music 332—Musical Composition for Dance (New).....	2
Phil. 101—Introduction to Philosophy..	3	Electives.....	7
Electives.....	2		
<i>Total</i>	17	<i>Total</i>	16

Curriculum in Health Education (for Men and Women)

For the Degree of Bachelor of Science in Health Education

A minimum of 130 hours of credit, counting the first two years of work in military science (men) and physical education, is required for graduation.

First Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
D.G.S. 111—Verbal Communication... .	4	D.G.S. 112—Verbal Communication... .	4
Chem. 101 or 102—General Chemistry.....	3-5	Chem. 132—Elementary Organic Chemistry.....	3
D.G.S. 131—General Biology.....	4	D.G.S. 132—General Biology.....	4
P.E.M. 150—Professional Orientation..	2	Hygiene 105—Personal and Environmental Hygiene.....	2
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
<i>Total</i>	14-17	<i>Total</i>	14-15

Second Year

Ed. 100—The American Public School..	2	Psych. 100—Introduction to Psychology.....	4
Pol. Sci. 150—American Government: Organization and Powers.....	3	Hist. 152—History of the U.S., 1865-1950.....	3
Physiol. 104—Physiological Anatomy... .	5	Physiol. 105—Physiological Anatomy... .	5
P.E.M. 160—Health Problems of School Children.....	3	Hygiene 110—Public Health.....	2
Humanities elective.....	2	Elective ¹	2
Physical Education.....	1	Physical Education.....	1
Military Science (men).....	1	Military Science (men).....	1
<i>Total</i>	16-17	<i>Total</i>	17-18

¹ Students are required to complete one teaching minor consisting of a minimum of 16 semester hours.

Third Year

FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
Ed. 109—Educational Psychology.....3		Ed. 240—Principles of Secondary Ed...3	
Bact. 104—Introductory Bacteriology...3		P.E.M. 218—Recreational and Exercise Therapy (P.E.W. 226—Women) 3	
Bact. 105—Introductory Bacteriology Laboratory.....2		Home Econ. 120—Elementary Nutrition.....2	
Home Econ. 130—Introduction to Foods and Nutrition.....2		Hygiene X—Physical and Health Inspection (new course).....2	
P.E.M. 201—First Aid.....2		P.E.M. 210—Inspection Trip.....0	
P.E.M. 202—Safety Education.....2		P.E.M. 224—Driver Education.....2	
Elective.....2		Elective.....4	
<i>Total</i>16		<i>Total</i>16	

Fourth Year

Ed. 241—Technic of Teaching in the Secondary School.....3		P.E.M. 205—Tests and Measurements in Health, Physical Education and Recreation (P.E.W. 208—Women)...3	
Ed. Prac. X—Health Education (new)...5		P.E.M. 220—Organization of School Health Programs (P.E.W. 228—Women).....3	
S.W.A. 220—Introduction to Social Work.....3		Ed. 334—Child Development and Implications for Education.....2	
Psych. 283—Psychology of Adjustment.....4		S.W.A. 221—Child Welfare.....3	
Elective.....2		Elective.....4	
<i>Total</i>17		<i>Total</i>15	

GRADUATE COLLEGE

The fifth year of the teacher-training programs listed in this bulletin are given in the Graduate College and lead to the master's degree. They are offered to students who have completed satisfactorily the four-year teacher-training programs or their equivalents. Students who have not met all of the requirements of a four-year undergraduate curriculum but who desire to take the fifth year of work may register, on approval, and may make up deficiencies while pursuing the fifth year.

Step 4. Obtain a Teaching Certificate

Each applicant for a position in the schools of Illinois, including teacher-librarians and school-librarians on completing his work in the University, should apply for a certificate through the Office of the County Superintendent of Schools of the county in which he is to teach. The County Superintendent of Schools will forward his application to the Illinois State Examining Board for Teachers' Certificates which will obtain from the University a transcript of the applicant's record in the University. The graduate may, if he prefers, apply directly to the Secretary of the Illinois State Examining Board for Teachers' Certificates. The requirements now in effect for the kinds of certificates most frequently needed by graduates of the University are listed below.¹

¹ *Illinois State Examining Board*, Circular Series A, No. 15, compiled by Luther J. Black, Secretary, Illinois State Examining Board, Department of Public Instruction, Springfield, Illinois, pages 10, 11, 20, 21, 27, 28.

Limited State Elementary School Certificate

Limited State Elementary School Certificate, valid for four years for teaching in the lower nine grades of the common schools, renewable in periods of four years upon successful teaching and professional growth satisfactory to the county superintendent of schools. This certificate may be issued to graduates of a recognized college with a bachelor's degree, who present certified evidence, accompanied by faculty recommendation, of having earned the following credentials:

	SEMESTER HOURS
I. General Education.....	79 to 85
a. Language Arts.....	16 or 18
b. Natural Science.....	16 or 18
c. Social Science.....	16 or 18
d. Mathematics.....	5
e. Health and Physical Education (must include a minimum of 2 semester hours in Materials and Methods of Instruction)....	4 to 5
f. Fine and Applied Arts (Music and Art).....	12
g. General Psychology.....	3
II. Education (Professional).....	16
a. Educational Psychology, Child Psychology, Human Growth and Development.....	2 or 3
b. Teaching and Learning Techniques in the Modern Elementary School and Curricula Problems.....	2 or 3
c. Student Teaching (elementary level).....	5
d. Philosophy of Education.....	2 or 3
e. American Public Education.....	2 or 3
III. General Electives.....	25 to 19
<i>Total</i>	<u>120</u>

Life Elementary School Certificate

A Life Elementary School Certificate valid for teaching and supervising in the lower eight grades of the common schools for which the requirements shall be: a master's degree conferred by a college or university recognized for offering graduate courses leading to such degree; twenty-two semester hours in education; four years of successful experience in teaching, two of which shall have been in Illinois.

Limited State High School Certificate

Limited State High School Certificate, valid for four years for teaching in grades seven to twelve of the common schools, renewable in periods of four years upon successful teaching and professional growth satisfactory to

the county superintendent of schools. This certificate may be issued to graduates of a recognized college with a bachelor's degree, who present certified evidence, accompanied by faculty recommendation, of having earned the following credentials:

	SEMESTER HOURS
I. General Education.....	35
a. Oral and Written Expression.....	8
b. Natural Science.....	6
c. Social Science.....	6
d. Humanities.....	6
e. Health and Physical Education.....	2 to 4
f. Additional work in any of above fields.....	6
II. Education (Professional).....	16
a. Adolescent Growth and Development.....	2 or 3
b. Principles, or Philosophy of Education (including the study of professional ethics).....	2 or 3
c. Student Teaching (high school level).....	5
d. Materials and Methods in the Secondary School, or Methods of Teaching a Particular Secondary School Subject.....	2 or 3
e. American Public Education.....	2 or 3
f. Electives in Professional Education.....	
III. Electives.....	21
IV. One Major Area of Specialization.....	32
V. One Minor Area of Specialization.....	16
<i>Total</i>	<u>120</u>

(Three minors, two of which are in related fields, will be accepted in lieu of one minor and one major.)

The major and minor should be in separate areas or subjects. The major and minor should be offered from such subject fields as agriculture, art, commerce, English, foreign languages, home economics, mathematics, industrial arts, music, physical education, social studies, sciences, library science, geography, psychology, and speech.

Life High School Certificate

A Life High School Certificate valid for teaching and supervising in grades seven to twelve inclusive of the common schools for which the requirements shall be: A master's degree conferred by a college or university recognized for offering courses leading to such degree; twenty-two semester hours in education; four years' successful experience in teaching, two of which shall have been in Illinois.

Limited Junior College Certificate

Limited State Junior College certificate, valid for four years for teaching and supervising in the thirteenth and fourteenth grades of the common

schools, renewable in periods of four years upon successful teaching and professional growth satisfactory to the county superintendent of schools. This certificate may be issued to graduates of a recognized higher institution of learning with a Master's degree, including twenty semester hours in education and a major in the field of preparation, accompanied by faculty recommendation, of having earned the following credentials:

	SEMESTER HOURS
I. General Education.....	43
a. English.....	8
b. Natural Science.....	6 to 8
c. Social Science.....	6 to 8
d. Humanities.....	6 to 8
e. Health and Physical Education.....	2 to 4
f. Additional work in any above fields.....	6 to 8
II. Education (Professional).....	20
a. Pupil development and the learning process.....	2 or 3
b. Organization of subject matter and methods.....	2 or 3
c. The aims, scope, curriculum and problems of the secondary school and junior college.....	2 or 3
d. The American Educational System, its history and philosophy, the relations of the school to the community and its responsi- bility to society.....	2 or 3
e. Student Teaching (High School or Junior College level).....	5
f. Electives, including the principles of guidance.....	3 to 7
III. Electives.....	47
IV. Major Field.....	40
<i>Total</i>	150

At least one of the specified courses in education, preferably the one dealing with the aims, scope, curriculum and problems of the secondary school and junior college shall be at the graduate level.

In lieu of student teaching the State Examining Board may accept one year of satisfactory teaching experience on the high school level or above.

Limited State Supervisory Certificate

Limited State Supervisory Certificate, valid for four years for teaching and supervising in any and all grades of the common schools, renewable in periods of four years upon successful teaching and professional growth satisfactory to the county superintendent of schools.

This certificate may be issued to graduates of a recognized college with a bachelor's degree and with not fewer than 120 semester hours of college credit, including a minimum of sixteen semester hours of education, as may be approved by the State Teachers' Examining Board, and who have taught successfully for four years.

Life Supervisory Certificate

A Life Supervisory Certificate valid for teaching and supervising in any and all grades of the common schools for which the requirements shall be: a master's degree conferred by a college or university recognized for offering graduate courses leading to such degree; a minimum of twenty-two semester hours in education; four years of successful experience in supervision, two of which shall have been in Illinois.

Definitions

Under *Language Arts*, reading, oral and written expression, grammar, spelling, handwriting, literature for children, and other literature as is commonly found in the courses of study in the elementary schools will be accepted.

Under *Natural Science*, courses in mathematics (excluding arithmetic), botany, zoology, chemistry, physics, geology, geography, biology, general science, and physiology, or their equivalents in integrated courses, will be accepted. (It is recommended that at least one laboratory course be included.)

Under *Social Science*, a study of the History of the United States and of American Government is required. Courses in history (other than History of the United States), political science, sociology, economics, geography, and general social science, or their equivalents in integrated courses, will be accepted in meeting the additional requirements in this field.

Under *Humanities*, courses in art, music, philosophy, languages and literature, and psychology, or their equivalents in integrated courses, will be accepted.

Under *Health and Physical Education*, courses in hygiene, health education, physical education, safety, first aid, and recreation will be accepted.

American Public Education, including growth and development of the free school movement in America, the organization and support of schools, the certification of teachers, professional ethics, and the legal rights, obligations, and physical well-being of teachers and pupils, is required.

Step 5. Locate a Teaching Position

The Office of Teacher Placement of the Council on Teacher Education will be of service to help you in finding a position. The office is located in 200 Gregory Hall. You may secure valuable advice regarding employment as a teacher both in this office and from your teacher-training adviser. A series of meetings is also held to provide information.

Immediately after the start of your last year in school, you should go to the office in 200 Gregory Hall in order to register with the Office of Teacher Placement. This registration will involve your filling out a questionnaire about yourself including personal data, college courses taken, college hours, extracurricular activities, teaching experience (if any), preference for kinds of positions, and references. You will also be required to furnish six application photographs of yourself and several names of persons from whom letters of recommendation may be secured.

This material which you furnish the Office of Teacher Placement is very important. Employing officials usually pay little attention to an application that has no picture accompanying it. The letters of recommendation you secure are also very significant. Select very carefully two to four university instructors who know you quite well and will be able to write effectively about your possibilities as a teacher. It is also desirable to have one or two persons from your home community describe your possible contribution to community life.

The Office of Teacher Placement receives requests from school authorities to recommend qualified graduates for positions. When you are recommended, you will be notified by the office in order that you may make an application to the proper school authorities. This application should be carefully written and should include a statement of your willingness to go for a personal interview. The general procedure is one of using good principles of salesmanship in the offering of your services as a teacher. If you accept a position, you should immediately notify the Office of Teacher Placement so your name may be removed from the active list.

The services of the Office of Teacher Placement will be available to you upon request throughout your teaching career. You will, of course, need to keep on file up-to-date information regarding your additional training and experience. There is no charge for these placement services. In some cases placement of school-librarians and some teacher-librarians is handled through the placement service of the Library School, 331 Library.

HOW IS THE TRAINING ORGANIZED?

The University Council On Teacher Education is responsible for the general development and coordination of teacher-training programs in the College of Agriculture, the College of Commerce and Business Administration, the College of Education, the College of Fine and Applied Arts, the Graduate College, the College of Liberal Arts and Sciences, the School of Journalism, the Library School, and the School of Physical Education.

The Chicago (Navy Pier) Division of the University offers the first two

years of the regular four-year and five-year programs preparatory to teaching biology, chemistry, commerce, English, French, geography, German, mathematics, mathematics and physical sciences, physics, social studies, Spanish, speech, and speech correction.

Committees on Areas of Specialization, cooperating with the Council, administer and supervise the curricula offered, and advise the students enrolled in the curricula. The chairman of each committee is listed below.

Agriculture — ASSOCIATE DEAN ROBERT R. HUDELSON

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Commercial Teaching — PROFESSOR EARL P. STRONG

Elementary — PROFESSOR J. H. SHORES

English — PROFESSOR P. N. LANDIS

Exceptional Children — PROFESSOR MARIETTA STEVENSON

Foreign Languages: French, German, Latin, and Spanish — PROFESSOR JOSEPH FRANCIS JACKSON

Health — PROFESSOR H. S. HOYMAN

Home Economics — PROFESSOR JANICE M. SMITH

Industrial Education — PROFESSOR A. B. MAYS

Library — DIRECTOR ROBERT B. DOWNS

Mathematics, and Mathematics and the Physical Sciences — PROFESSOR HENRY ROY BRAHANA

Music — DIRECTOR JOHN N. KUYERS

Physical Education for Men — PROFESSOR P. H. JOHNSON

Physical Education for Women — PROFESSOR LOUISE FREER

Science: Biology and General Science, Chemistry, Geography, Physical Sciences, and Physics — PROFESSOR OSWALD TIPPO

Social Studies — PROFESSOR F. C. DIETZ

Speech — PROFESSOR KARL R. WALLACE

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ADDITIONAL INFORMATION

For additional information about the teacher-training programs described in this bulletin, or for copies of the bulletin, address Professor C. W. Sanford, Coordinator of Teacher Education, 204 Gregory Hall, Urbana, Illinois.

Detailed description of the librarian training program may be obtained by writing the Assistant Director, Library School, University of Illinois, Urbana, Illinois.

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